



भारत का राजपत्र The Gazette of India

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PUBLISHED BY AUTHORITY

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No 38] NEW DELHI, SATURDAY, SEPTEMBER 23, 1989 (ASHWINA 1, 1911)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधि सूचनाएं और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS
Calcutta, the 23rd September 1989

Patent Office Branch,
61, Wallajah Road,
Madras-600 020.

ADDRESS AND JURISDICTION OF OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,
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The States of Gujarat, Maharashtra, and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,
Unit No. 401 to 405, 3rd Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC".

1—257 GI/89

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office, (Head Office),
"NIZAM PALACE", 2nd M.S.O. Building,
5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated,

पेटेंट कार्यालय

एकस्य तथा अभिकल्प

कलकत्ता, दिनांक 23 सितम्बर 1989

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जान के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी हस्टेट
तीसरी तल, लोअर परले (पश्चिम,
बम्बई-400013.

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य
क्षेत्र एवं संघ शासित क्षेत्र गोआ, दामन तथा
दिव एवं बापरा और नगर हवेली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोलबाग,
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा
कश्मीर, पंजाब, राजस्थान तथा उत्तर
प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र
चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिक”

पेटेंट कार्यालय शाखा,
61, बालाजाह रोड,
मद्रास-600 002.

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,
मिनीकाय तथा एमिनिदिदि द्वीप ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन, 5, 6 तथा 7 वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-7000 20.

भारत का अवशेष क्षेत्र

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में
अपीक्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख
पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए
जायेंगे ।

शुल्क :—शुल्कों की अदायगी या तो नकद की जायेगी
अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश
अथवा डाक आदेश या जहाँ उपयुक्त कार्यालय अवस्थित है;
उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक
ड्राफ्ट अथवा चेक द्वारा की जा सकती है ।

REGISTRATION OF PATENT AGENT

The following person has been registered as Patent Agent.

Shri Saibal Chandra Pal,
65, Sisir Bhaduri Street,
Sibachal, Birati,
Calcutta-700051.

APPLICATIONS FOR PATENTS FILED AT THE HEAD OFFICE, 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

The 17th August, 1989

671/Cal/89. McDermott International, Inc. Improved ethane recovery system.

The 18th August, 1989

672/Cal/89. Jac Tractor Limited. Improvements in warpa-ble chassis.

(Convention date 19th August, 1988) Australia
(No. PI 9997).

673/Cal/89. Cogema. Method and apparatus for drilling for the study and exploitation of the sub-soil.

674/Cal/89. Metallgesellschaft Aktiengesellschaft. A process of treating a natural gas which contains hydrocarbons and H₂S.

675/Cal/89. Bernd Hansen. Process for producing hollow plastic receptacles.

676/Cal/89. Elitex Koncern Textilniho Strojirenstvi. A device for fibre doffing from a stripping roller of an open-end spinning unit.

677/Cal/89. United Technologies Corporation. Axial compressor blade assembly.

The 21st August, 1989

678/Cal/89. K.C. Das Private Limited. A continuous process for manufacturing 'Rossogollas' and a plant developed for the purpose.

679/Cal/89. Samsung Electronics Co. Ltd. Voltage regulator circuit for free voltage.

680/Cal/89. Tatarsky Gosudarstvenny Nauchno-Issledovatel-sky I Proektny Institut Neftyanoi Promyshlennosti USSR. Method of manufacturing profile pipes used in well construction, and Apparatus for performing this method.

681/Cal/89. Nauchno-Proizvodstvennoe Obiedinenie "Magnation" USSR and Simferopolsky Gosudarstvenny Universitet Imeni M. V. Frunze. Multipole rotor of an electric motor.

682/Cal/89. Nauchno-Proizvodstvennoe Obiedinenie "Magnetron". USSR and Simferopolsky Gosudarstvennyy Universitet Imeni M. V. Frunze. Multi-polar rotor of electric machine.

683/Cal/89. Hoechst Aktiengesellschaft. Process for the preparation of water soluble Pyridone monoazo Compounds suitable as dyestuffs.

[Division of Application No. 531/Cal/85 dt. 17th July 1985].

684/Cal/89. E. I. Du Pont De Nemours and Company. Process for spinning high-strength, high modulus aromatic polyamides.

685/Cal/89. Ethicon, Inc. Oval wrap suture packages.

686/Cal/89. (1) Saroj Kumar Mitra, (2) Hardev Prasad Sinha, (3) N. V. S. Krishna, (4) Kennath N. Das, (5) Biswanath Ghosh, (6) Hemant Manohar Nerurkar, (7) Dr. Atindra Nath Mitra, (8) Dr. Tridivesh Mukherjee and (9) Tata Iron and Steel Co. Ltd.

Process for the preparation of anhydrous tap hole mixture for blast furnace.

687/Cal/89. (1) Saroj Kumar Mitra; (2) Hardev Prasad Sinha, (3) N. V. S. Krishna; (4) Kennath N. Das, (5) Biswanath Ghosh; (6) Hemant Manohar Nerurkar; (7) Dr. Atindra Nath Mitra; (8) Dr. Tridivesh Mukherjee and (9) Tata Iron and steel Co. Ltd.

Process for the preparation of bauzite based low cement castables.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, 3RD FLOOR, KAROL BAGH, NEW DELHI-5

The 21st July, 1989

675/Del/89. Paterson, Zochonis (U.K.) Ltd., "Detergents". (Convention date 5th August, 1988) (U.K.).

The 1st August, 1989

676/Del/89. Krishan Lal Batra & Other, "A device for general exercise of the entire human body".

677/Del/89. The B.F. Goodrich Co., "Impact modified polyurethane blends".

678/Del/89. Alcan International Ltd., "Aluminium batteries". (Convention date 9th August, 1988 & 23rd March, 1989 (U.K.).

679/Del/89. The B.F. Goodrich Co., "Mechanically compatible polyurethane/polyolefin thermoplastic polymeric blends".

680/Del/89. Rohm GMBH, "Delayed release pharmaceutical".

The 2nd August, 1989

681/Del/89. Kanegafuchi Kagaku Kogyo Kabushiki Kaisha, "An expanded synthetic resin foam and its manufacturing method".

682/Del/89. M/s Progressive Industries, "A cabinet".

683/Deel/89. The Lubrizol Corporation, "A process for the preparation of a metal mannich based complex". [Divisional date 9th September, 1986].

684/Del/89. Imperial Chemical Industries PLC, "Reactive dyes". (Convention date 17th August, 1988 & 18th October, 1988 (U.K.).

685/Del/89. Scapa Group PLC, "Improvements relating to extended nip dewatering presses". (Convention date 10-8-1988) (U.K.).

686/Del/89. VSESOJUZNY NAUCHNO ISSLEDOVATELSKY INSTITUT PO ISPYTANIJU MASHIN I OBOURODOVANIA DLYA ZHIVOTNOVOSTVA I KORMOPROIZVODSTVA & Other. "System for checking and evaluation of seed planting".

687/Del/89. A. Nattermann & Cie GMBH, "Phospholipio-containing composition, a process for its preparation and its use as an excipient for pharmaceutical substances".

The 3rd August, 1989

688/Del/89. Asarco Incorporated, "Method and burner for melting copper".

689/Del/89. De Beers Industrial Diamond Division (Proprietary) Ltd, "Diamond tool".

690/Del/89. Sangamo Weston, Inc, "Solid state electricity meter display". [Divisional date 14th April, 1987].

691/Del/89. Royden Coe Sanders, "High speed shuttle printer".

The 4th August, 1989

692/Del/89. Khosla Engineers, "An overwrapping machine".

693/Del/89. Ashok Kumar Rai, "Mini generator".

694/Del/89. Manoir Industries, "Improvements in or relating to insert for the connection of a manganese steel part to a carbon steel part, insert-connecting method and assembly obtained thereby".

695/Del/89. The Lubrizol Corporation, "A lubricating composition". [Divisional date 28th January, 1987].

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH AT TODI ESTATES, 3RD FLOOR, SUNMILL COMPOUND, LOWER PAREL (W), BOMBAY-13

The 31st July 1989

212/Bom/89. Hindustan Lever Ltd. Soap composition.

The 2nd August 1989

213/Bom/89. Hemant Madhukar Ranadive. An invention for unidirectional power transmitting coupling assembly.

214/Bom/89. Hemant Madhukar Ranadive. An invention for improvement in power transmitting coupling assembly.

215/Bom/89. Ranjit Singh Jaswal. An improved positively deadlockable tamper evident seal.

The 3rd August, 1989

216/Bom/89. Dr. Tridip Kumar Goswami & Naveen Kumar Seth and Kwaliti Frozen Foods Pvt. Ltd. A device for precooling & freezing or hardening perishable food articles.

217/Bom/89. Shri Padmanna Jambu Chaugule. Improvements in or relating to wall structures.

The 4th August, 1989

218/Bom/89. Vasant Chandrakant Bhido. Dual ratio hydraulic cylinder for automotive brakes.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 7th August, 1989

582/Mas/89. Vamatex S P A. Means to guide the motion of weft grippers inside and shed of shuttleless looms.

583/Mas/89. Tecumseh Products Company. Foreign particle trap for a compressor.

- 584/Mas/89. Uniroyal Manuli Rubber SRL. A method and apparatus for producing flexible tubes of any length.
- 585/Mas/89. Cabot Corporation. Cleaning Apparatus and Process.
- 586/Mas/89. Minnesota Mining and Manufacturing Company. Hearing aid employing a viscoelastic material to adhere components to the casing.

The 8th August, 1989

- 587/Mas/89. Strachan & Henshaw Limited. Reil Car Dumpers. (August 10, 1988; United Kingdom).
- 588/Mas/89. FLO-CON Systems, Inc. Shroud seal.
- 589/Mas/89. Union Oil Company of California. Stabilized thiocarbonate solutions.
- 590/Mas/89. Denismac S.A. Optical data carriers.
- 591/Mas/89. W L Gore & Associates, Inc. Process for making dielectric material having low electric constants. (Divisional to Patent Application. Not. 878/Mas/85).

The 9th August, 1989

- 592/Mas/89. Thrithala Kizhakkekalam Meenakshi Kutty. A variable resistance and switching control/sensing device.
- 593/Mas/89. Shantilal P. Joshi. A device relating to an detachable album to hold magazine, periodicals, folder, documents etc.
- 594/Mas/89. Shell Internationale Research Maatschappij B.V. Process for the hydrocracking of a hydrocarbonaceous feedstock. (August 11, 1988; Great Britain).
- 595/Mas/89. Australian Wire Industries Pty. Ltd. Jet wiping nozzle. (August 24, 1988; Australia).
- 596/Mas/89. Australian Wire Industries Pty. Limited. Jet wiped wire. (August 24, 1988; Australia).

The 10th August, 1989

- 597/Mas/89. Maschinenfabrik Rietter AG. A comb.
- 598/Mas/89. Maschinenfabrik Rieter AG. Front rollers of a drafting arrangement.

The 11th August, 1989

- 599/Mas/89. In Suk, Kim. Electronic motor starter.
- 600/Mas/89. A Ahlstrom Corporation. Fast fluidized bed reactor.
- 601/Mas/89. Maschinenfabrik Rieter AG. A textile machine with a drafting arrangement.
- 602/Mas/89. Acco World Corporation. Concealed rivet element and setting method for ring binder construction and the like.
- 603/Mas/89. Acco World Corporation. Binder locking ring mechanism with configured trigger.

ALTERATION

165350

(726/Dcl/86) Anti-dated 11th January, 1984.

PATENT SEALED

150310	158830	159083	161729	163325	163330	163464
163466	163525	163671	163699	163710	163959	164004
164010	164035	164036	164038	164039	164040	164045
164046	164048	164049	164060	164062	164063	164133
164138	164139	164141	164142	164143	164144	164145
164146	164147	164148	164149	164152	164153	164154
164155	164156	164157	164158	164159	164160	164177
164179	164207	164247	164250	164267.		

CAL — 16.

MAS — 21.

DEL — 13.

BOM — 4.

AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

The amendments proposed by ALGAS RESOURCES LTD. of Bow Valley Square 2, 205, Fifth Avenue S.W. Box 9294, Calgary, Alberta, Canada T2P2W5 in respect of Patent application No. 153859(154/D/80) as advertised in Part III, Section 2 of the Gazette of India dated 6th August, 1988 have been allowed.

(2)

Amendment Proceedings under Section 57 in respect of Patent Application No. 758/Mas/84 (162693) as advertised in the Gazette of India dated 29-10-1988 has been allowed.

(3)

Notice is hereby given that M/s. Amoco Corporation, a Corporation of State of Indiana, U.S.A. of 200 East Randolph Drive, Chicago, Illinois-60601, U.S.A. has made an application on form 29 under section 57 of The Patent Act, 1970 for amendment of application and specification of their application for patent No. 161430 for a method for the manufacture of a modified Lithium salt having improved solubility in non-aqueous solvent-system. The amendments by way of correction in order to reflect changed name. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110005 or copies of the same can be had on payment of usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition in form 30 within three months from the date of this notification at Patent Office Branch, Unit No. 401 to 405, 3rd Floor, Municipal Market Building, Saraswati Marg, Karol Bagh, New Delhi-110 05. If the Written Statement of Opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

RENEWAL FEES PAID

144843	146188	146252	146272	146942	146943	146944
147002	147042	147233	149177	149511	149850	149942
150211	150612	150699	152290	152334	152438	153290
153668	154459	154480	154604	155093	156250	156863
157430	157611	157971	158318	158340	159685	159920
160020	160021	160026	160048	160084	160826	160922
160938	161011	161308	161462	161711	161832	161833
162071	162112	162159	162161	162162	162220	163192
163284	163746	163747	163797	163881	163885	163894
163958	163970	164000	164011	164013	164017	164018
164043	164047	164166	164169	164181.		

CESSATION OF PATENTS

150168	150174	150175	150176	150177	150178	150181
150183	150185	150186	150189	150190	150195	150197
150198	150199	150200	150201	150206	150207	150210
150212	150214	150217	150222	150225	150227	150234
150236	150240	150242	150244	150248	150252	150255
150257	150258	150259	150261	150262	150263	150264
150266	150270	150271	150272	150273	150276	150277
150280	150282	150287	150288	150289	150290	150292
150294	150296	150300	150302	150306	150308	150313
150314	150318	150322	150324	150325	150327	150331
150332	150338	150340	150341	150343	150344	150349
150350	150356	150357	150360	150369	150371	150377
150379	150380	150382	150383	150384	150385	150393
150400	150402	150403	150404	150414	150415	150417
150419	150421	150422	150426	150427	150428	150429
150430	150437	150438	150439	150442	150443	150445
150446	150447	150452	150453	150455	150463	150465
150467	150469	150472	150474	150477	150478	150479
150480	150481	150482	150485	150487	150494	150495
150496	150498	150500.				

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of Patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो के भीतर कभी भी नियंत्रक, एकत्र को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित दस्तावेज; उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।"

नीचे सूची गत विनिर्देशों की सीमित संख्या में मुद्रित प्रतियां, भारत सरकार बुक डिपो, 8 किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है। (यदि भारत के बाहर भेजे जाय तो अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग पत्र के साथ निम्नलिखित सूची में यथा प्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों; के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता, द्वारा विहित लिप्यान्तरण प्रभार (उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है)। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का परिचालन किया जा सकता है।

CLASS : 62-D

165321

Int. Cl. : D 21 g 1/00; D 21 f 3/00.

AN EXTENDED NIP PRESS FOR PAPER MAKING MACHINERY.

Applicant : BELOIT CORPORATION, OF P.O. BOX 350, BELOIT WISCONSIN 53511, U.S.A.

Inventor : GREGORY LYNN WEDEL.

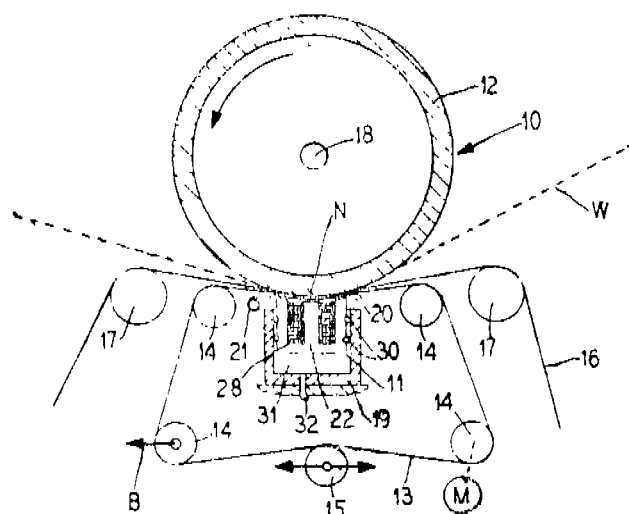
Application No. 15/Cal/1986 filed January 06, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims

An extended nip press for papermaking machinery which comprises opposed conforming nip members defining there-between a wide area nip, electromagnetic means coextensive with the nip areas on at least one side of the nip creating flux through the nip to attract the opposed nip member for creating a nip load throughout the entire nip area.

Fig. 1



Compl. specn. 20 pages

Drg. 4 sheets

CLASS : 63-A₂

165322

Int. Cl. : H 02 k 19/00.

COMPACT, QUIET RUNNING AND HIGHLY EFFICIENT MOTOR GENERATOR NIPS (NON-INTERRUPTIBLE POWER SYSTEM) UNIT.

Applicant : PRECISE POWER CORPORATION, AT 281M, UPPER MANATEE RIVER ROAD, BRADENTON, COUNTRY OF MANATEE, FLORIDA, 33508, U.S.A.

Inventor : (1) JOHN FRANKLIN ROESEL, JR. (2) RONNIE JONES BARBER.

Application No. 118/Cal/1986 filed February, 18, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A compact, quiet running and highly efficient motor-generator NIPS (non-interruptible power system) unit wherein the driving motor is energized from source of ac power which may be subject to voltage and frequency irregularities, and complete power interruptions for varying periods of time, and the generator is capable of supplying to a load ac power of a desired substantially constant frequency and voltage at all times when the source is delivering usable ac to the driving motor and also for a substantial period of the order of between 15 and 60 seconds during power interruptions, said nips unit comprising in combination;

a supporting base;

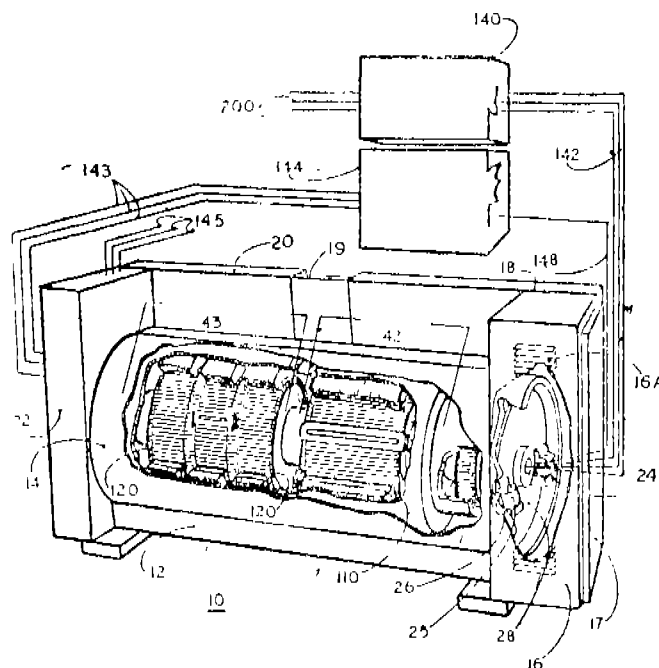
a synchronous motor on the supporting base with a stator energized with ac from the source to produce a rotating magnetic field and a rotor capable of developing a high torque at all speeds from starting to full synchronous speed for driving the rotor of the ac generator.

said ac generator being mounted on the supporting base and comprises a high rotational inertia rotor comprising :

- (1) a rotatable circular cylindrical shell member mounted for coaxial rotation on bearing on the supporting base, at least one body of soft magnetic material affixed to the inside walls of the shell member, and a layer of magnetizable permanent magnetic material attached to the body with an exposed cylindrical surface coaxial with the axis of rotation of the shell member;
- (2) a stator comprising a shaft member fixed to the supporting base and disposed within the shell member, at least one core body of soft magnetic material having a slotted cylindrical surface affixed to the shaft member with its slotted surface being juxtaposed and substantially coextensive with a layer of permanent magnetic material with a rotational clearance space therebetween, ac power generating windings in the stator, slots, two adjacent slots in each core body having an intervening pole piece about which an excitation coil is placed, whereby when the excitation coil is energized with single phase ac the pole piece will exert a strong magnetic flux of alternating polarity so that the juxtaposed layer of permanent magnetic material will be magnetized during rotation into a pattern of north and south magnetic poles;

the improvement comprising a feedback winding disposed in selected slots in the core body and circuit means so connecting the feedback winding to the excitation coil that during synchronous rotation an ac potential induced in the feedback winding by the passage of the magnetic poles in the layer will substantially suppress any ac potential induced to the excitation coil, and means for generating single phase of the desired frequency and supplying such single phase ac to the excitation coil so that the pole piece will magnetize

the layer of magnetizable permanent magnetic into a selected pattern of north and south poles to thereby induce in the ac power windings the substantially constant ac frequency.



Compl. specn. 57 pages

Drg. 6 sheets

CLASS : 39-N

165323

Int. Cl. : C 01 b 31/30.

WEAR RESISTANT, COATED, METAL CARBIDE BODY AND PROCESS FOR PRODUCING THE SAME.

Applicant : FRIED. KRUPP GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, OF ALTENDORFER STRASSE 103, D-4300 ESSEN 1, FEDERAL REPUBLIC OF GERMANY.

Inventor : DR. UDO KONIG.

Application No. 179/Cal/86 filed March 11, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A wear resistant, coated, metal carbide body comprising :

a metal carbide basic body;

a metallic intermediate layer and at least one metal-free hard substance layer;

wherein the metallic intermediate layer comprises at least one metal selected from the group consisting of molybdenum and tungsten and has a thickness of from about 0.1 to 2 um said metallic intermediate layer having been applied to the metal carbide basic body by a physical vapor deposition process in which the metal carbide basic body is maintained at a temperature of from 200° to 600°C during the deposition of the intermediate layer.

Compl. specn. 19 pages

Drg. Nil

CLASS : 131-B_g; 71-B; F & G

165324

10 Claims

Int. Cl. : E 02 f 3/00; 9/00.

EXCAVATING MACHINE.

Applicant : KEMBLA COAL & COKE PTY. LIMITED,
OF CROWN CENTRAL CNR. CROWN & KEIRA
STREETS, WOLLONGONG, NEW SOUTH WALES 2500,
AUSTRALIA.

Inventors : STEVEN WILLIAM LIVERSAGE, LAW-
RENCE BRIAN CUMMINGS.

Application No. 199/Cal/1986 filed March 14, 1986.

Convention dated 15th March, 1985 and 11th July, 1985
(No. PG 9738 and No. PH 1429) (AUSTRALIA).

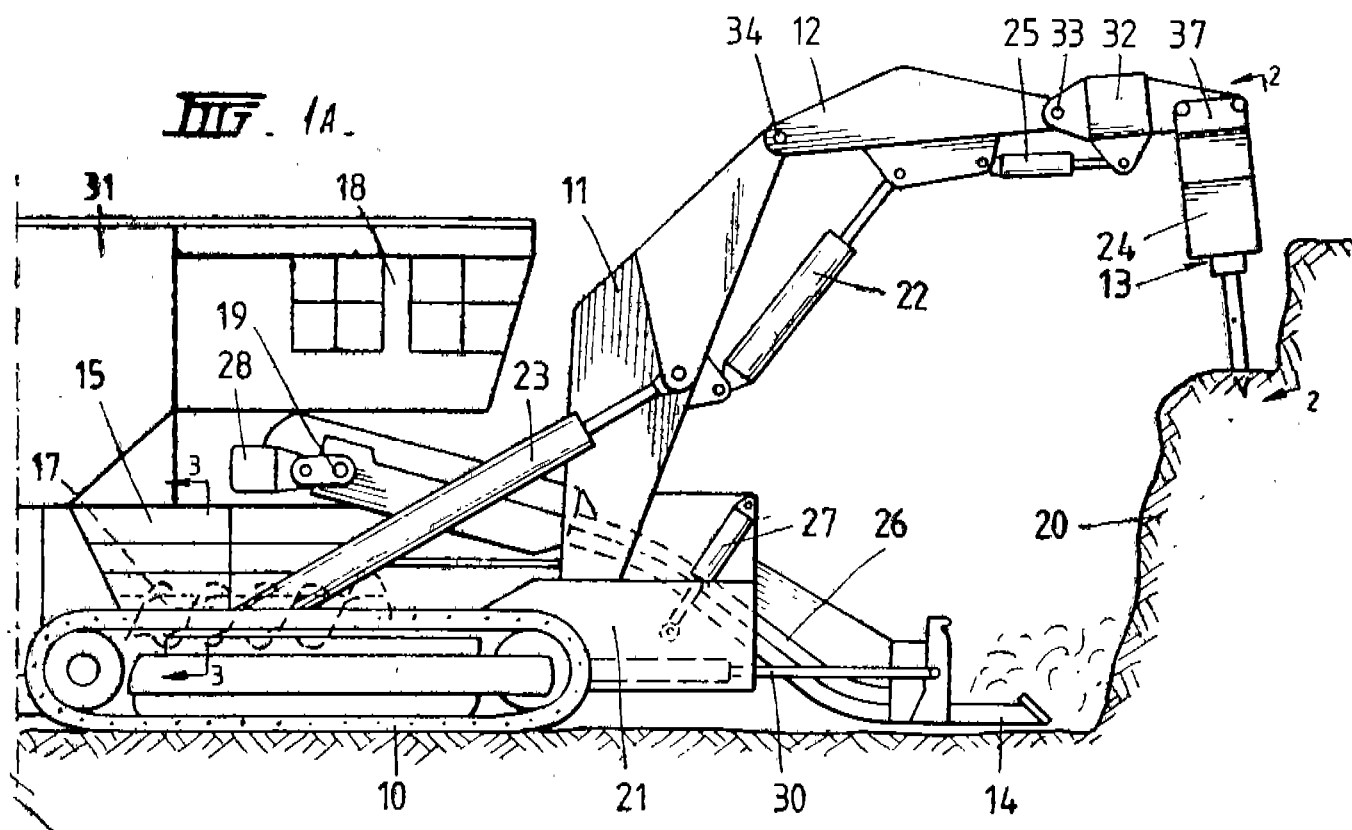
Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

An excavating machine, comprising :

a main frame mounted on tracks or wheels for mobi-
lity;

an array of dynamic hammer devices operable to
break up hard material and support means to support
the array on said main frame;

wherein the array of hammer devices consists of a
plurality of hammer devices which are angled trans-
versely of the machine and at progressively greater
angles for each device from those positioned near
the centre of the array to these at the ends of the
array.



Compl. specn. 12 pages

Drg. 7 sheets

CLASS :

165325

26 Claims

Int. Cl. : H 02 b 1/00, 3/00.

DISTRIBUTION LINE SWITCHGEAR CONTROL SYSTEM.

Applicant : MCGRAW-EDISON COMPANY, FIRST
CITY TOWER, STE. 4000, HOUSTEN, TEXAS 77210,
U.S.A.

Inventor : WILLIAM N. LECOURT.

Application No. 197/Cal/1986 filed March 13, 1986.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

A distribution line switchgear control system compris-
ing :

a power supply obtaining power from a distribution
line containing controlled switchgear through a power
source and storing energy in an energy storage
device, for providing power to other components of
said switchgear control through buses, and for
establishing a neutral reference bus;

current sensing means operatively connected to the
distribution line for providing phase and ground
signals which are proportional to the current con-
ducted in each phase and ground of the distribu-
tion line;

a plurality of phase peak generators, each receiving a signal and rectifying the received signal to generate a single direct current phase peak signal proportional to the current in the associated phase;

a phase level detector receiving the combined outputs from said phase peak generators for generating a level present signal if the current in any phase is excessive;

phase current timing means receiving the combined outputs from said phase generators for generating a phase current magnitude signal proportional to the highest current among the phase currents;

a ground peak generator receiving the ground signal for rectifying the ground signal in a precision rectifier to generate a direct current ground peak signal proportional to the ground current;

a ground level detector receiving the ground peak signal for generating a level present signal if the ground current is excessive;

phase timing means receiving the phase level present signal for timing the existence of excessive phase current and generating a phase current duration signal if excessive phase current exists in the distribution line for a sufficient period;

ground timing means receiving the ground level present signal for timing the existence or excessive ground current and generating a ground current duration

signal if excessive ground current exists in the distribution line for a sufficient period;

trip means responsive to the phase and to the ground current duration signals for generating a trip signal which causes a distribution line switch in the controlled switchgear to open;

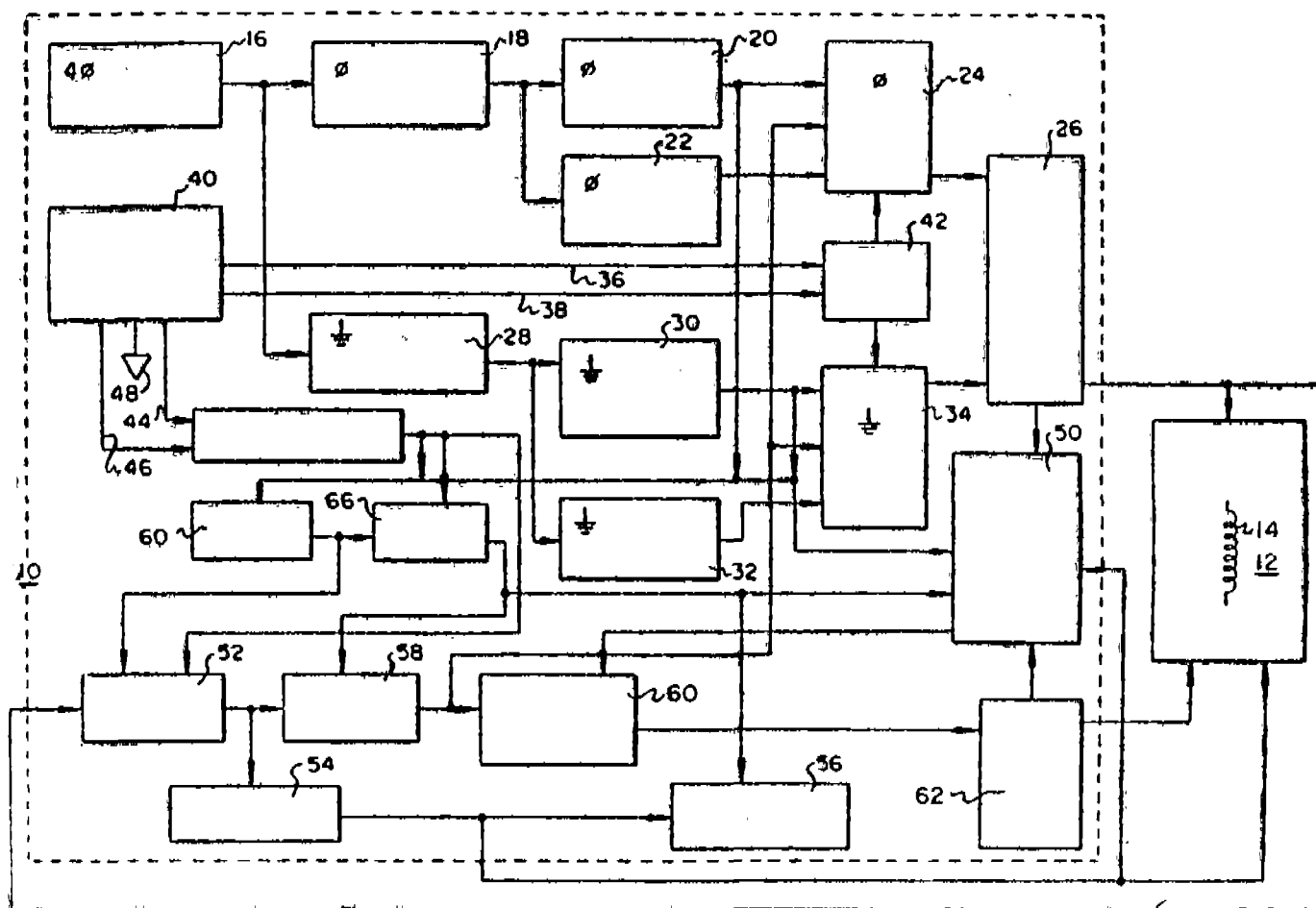
a reclose interval timer for determining a preselected interval from a defined event and issuing a reclose interval signal;

reclose means responsive to the reclose interval signal for issuing a close signal which causes the distribution line switch in the controlled switchgear to close;

a reset timer for determining a preselected reset interval after a close signal, and issuing a reset interval signal which returns said trip counter to its initial stage;

timing inhibit means for monitoring the voltage between the buses conveying power from the power supply to determine whether the bus voltage exceeds a preselected minimum bus voltage, and for issuing an inhibit signal which prevents the issuance of a trip signal if the bus voltage is less than the preselected minimum; and

lockout means for selecting the number of trips to cause the controlled switchgear to lockout, and for issuing a lockout signal when that selected number of trips is counted by said trip counter.



CLASS : 151-C & E

165326

Int. Cl. : B 29 d 23/00.

AN APPARATUS FOR THE PRODUCTION OF TUBULAR MANUFACTURED ARTICLES AND AN AT LEAST PARTLY AUTOMATED MECHANISED METHOD FOR THE DISCONTINUOUS FORMING OF TUBULAR STRUCTURES.

Applicant & Inventor : DINO PICCIOLI, OF "PECCIO MARTINO", 06060 PIETRAFITTA (PERUGIA), ITALY.

Application No. 206/Cal/1986 filed March 17, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

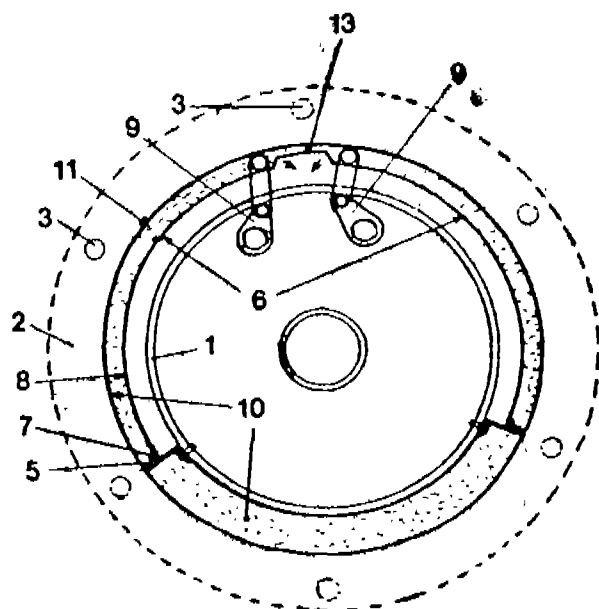
An apparatus for the production of tubular manufactured articles at least partly constituted of optionally reinforced thermosetting resins in form of single-layer, multi-layer or sandwich structures, which comprises a collapsable, rotating mandrel and devices for feeding liquid thermosetting resins and reinforcement fibres, and is characterized in that the mandrel is cantilever mounted and is formed by :

a tube or tubular lattice element 1 fitted with longitudinal reinforcement ribs 5 and circumferential hoop segments 6 made in three parts connected between them through hinges 7;

an inner layer 8 of thermosetting resin optionally reinforced;

an intermediate layer 10 of expanded resins, optionally reinforced with ribs inserted into the expanded material;

an outer layer 11 of thermosetting resin, optionally reinforced, said hoop segments 6 being provided with levers 9 which operate in such a manner as to rotate the two mobile parts of the hoop segments 6 of the frame about the hinges 7 so that they partially overlap along the slot 13, consequently reducing the frame diameter and collapsing the mandrel.



Compl. specn. 11 pages
2-257 GI/89

Drg. 3 sheets

CLASS : 141-A

165327

Int. Cl. : C 21 b 1/08.

PROCESS FOR PRODUCTION OF METALLURGICAL COMPOUNDS WITH BROWN COAL.

Applicant : CRA SERVICES LIMITED, OF 55 COLLINS STREET, MELBOURNE, VICTORIA, AUSTRALIA.

Inventors : (1) DR. HOWARD KNOX WORNER, (2) PROF. ALAN STUART BUCHANAN.

Application No. 207/Cal/1986 filed March 17, 1986.

Convention dated March 18, 1985 (No. PG 9776) (Australia).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A process for production of metallurgical composites of reducible metal compounds, such as ores containing oxides of iron and zinc or chromite ore or concentrates thereof as may be obtained by conventional concentration methods which comprises the following steps :

(a) subjecting brown coal, to shearing forces e.g. of nature as herein described to produce a plastic mass;

(b) admixing the metal reducible compound in desired finely divided state with the brown coal either during or after steps (a);

(c) compacting the mixture produced in step (b) to produce a compacted mass;

(d) drying the compacted mass substantially at ambient temperature to produce the metallurgical composite.

Compl. specn. 16 pages

Drg. 2 sheets

CLASS : 80-H, 1, K

165328

Int. Cl. : B 01 d 33/00; 35/00.

DISK SCREEN OR LIKE SHAFT ASSEMBLIES.

Applicant : BELOIT CORPORATION, OF P.O. BOX 350, BELOIT, WISCONSIN, 53511, U.S.A.

Inventor : JOSEPH BRUCE BIELAGUS.

Application No. 275/Cal/86 filed April 07, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A disk screen or like rotatable shaft assembly, comprising :

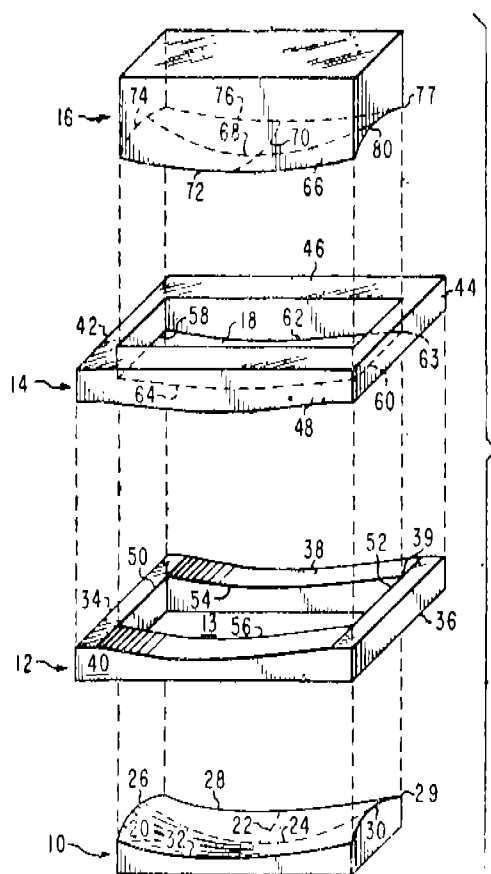
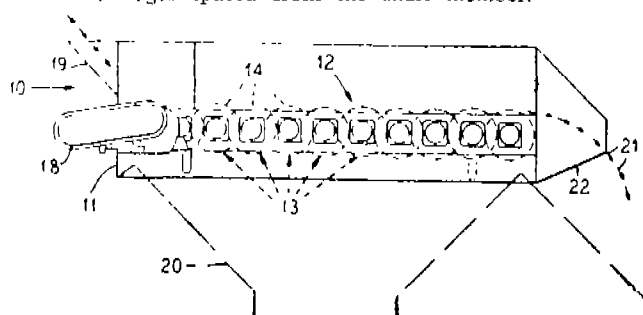
an elongate metallic shaft member;

a plurality of metallic screen disks mounted corotatively on said shaft member and having central shaft-receiving openings complementary to said shaft member but of slightly larger size so that edges defining said openings can be in spaced relation to the shaft member;

nonmetallic spacers between said disks and with surfaces of the spacers engaging the shaft member; and

means for connecting said disks and spacers together into a modular unit which can be slidably mounted

on or removed from the shaft member, and the spacers supporting said disks on said spacers with said edges spaced from the shaft member.



Compl. specn. 16 pages

Drg. 3 sheets

CLASS : 172-C₅ & 9

165329

Int. Cl. : D 01 g 7/00, 9/00; D 01 h 1/00.

APPARATUS FOR TAKING-OFF FLOCKS FROM FIBRE BALES.

Applicant : TRUTZSCHLER GMBH & CO. KG., OF DUVENSTR. 82-92, D-4050 MONCHENGLADBACH 3, FEDERAL REPUBLIC OF GERMANY.

Inventor : FERDINAND LEIFELD.

Application No. 282/Cal/86 filed April 10, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

An apparatus for taking off flocks from fibre bales which are conveyed to a subsequent processing machine, the apparatus comprising :

a take off device arranged to travel to and fro relative to a row of bales;

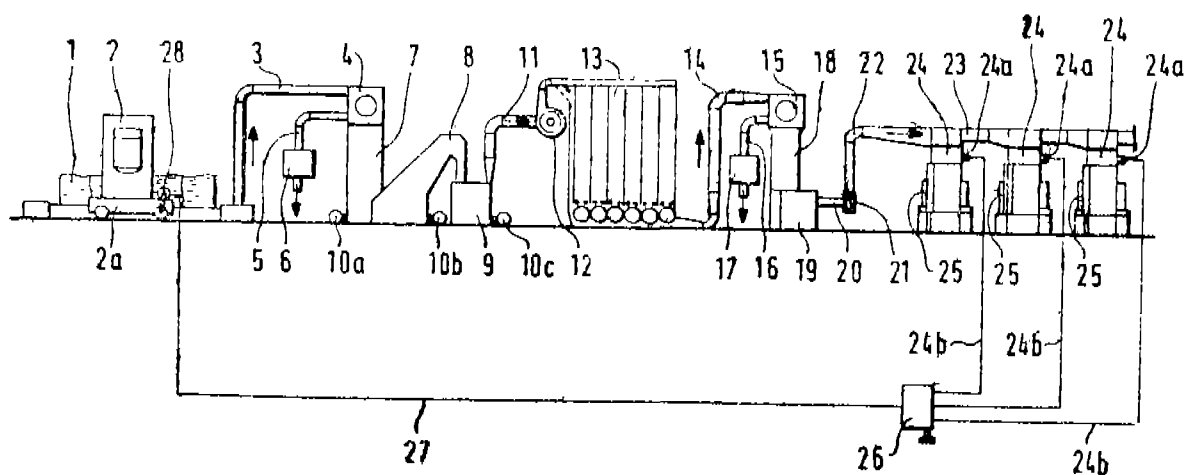
a control means having an output connected to said take off device for varying the speed of travel of the same;

said measuring device being further connected to the input of said control means for transmitting to said control means a signal related to the amount of fibre material required by said subsequent processing machine;

said measuring device being further connected to the input of said control means for transmitting to said control means a signal related to the amount of fibre material required by said subsequent processing machine, whereby, in use, the speed of travel of the take off device is varied in dependence upon the amount of fibre required by said subsequent processing machine.

Compl. specn. 12 pages

Drg. 2 sheets



CLASS : 32-A

165330

Int. Cl. : C 09 b 31/00 to 35/00.

PROCESS FOR PREPARING WATER-SOLUBLE DISAZO COMPOUNDS.

Applicant : HOECHST AKTIENGESellschaft, D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

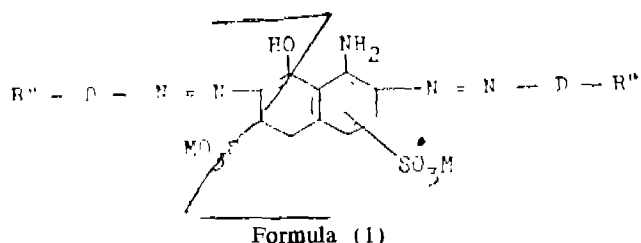
Inventors : (1) MARCOS SEGAL, (2) MICHAEL KUNZE.

Application No. 358/Cal/86 filed May 08, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

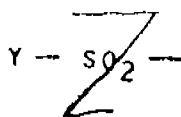
1. A process for preparing a water-soluble disazo compound of the general formula (1) of the accompanying drawings



in which :

M is a hydrogen atom or an alkali metal or the equivalent of an alkaline earth metal;

R'' is a hydrogen atom or a radical of the general formula (2)



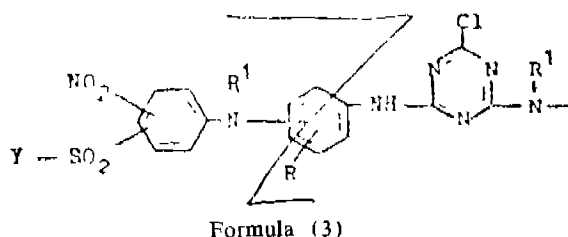
in which

Y is the vinyl group or a β -thiosulfatoethyl, β -phosphatoethyl, β -chloroethyl or β -sulfatoethyl group,

or R'' is a radical Z of the general formula (3) shown and defined hereinafter,

it being possible for the two R'' to be identical to or different from one another, but at least one of the two R'' mandatorily being a group of the general formula (3);

Z is a radical of the general formula (3)



in which

R¹ stands for a hydrogen atom or an optionally substituted alkyl group of 1 to 4 carbon atoms, it being possible for the two R¹ to be identical to or different from each other,

R denotes a hydrogen atom or a sulfo group, and

Y is the vinyl group or a β -thiosulfatoethyl, β -phosphatoethyl, β -chloroethyl or β -sulfatoethyl group,

it being possible for the groups Y in formulae (2) and (3) to be identical to or different from each other;

D denotes together with R'' equal to a hydrogen atom a phenyl radical which can be substituted by substituents which belong to the group of substituents consisting of alkyl of 1 to 4 carbon atoms, alkoxy of 1 to 4 carbon atoms, carboxy, alkanoylamino of 2 to 5 carbon atoms which can be substituted, optionally substituted benzoylamino, phenylamino, sulfophenylamino, carbamoyl, carbamoyl which is monosubstituted or di-substituted by alkyl of 1 to 4 carbon atoms, sulfamoyl, sulfamoyl which is monosubstituted or disubstituted by alkyl of 1 to 4 carbon atoms, N-phenyl-sulfamoyl, N-phenyl-N-(C₁-C₄-alkyl)-sulfamoyl, cyano, nitro, chlorine, bromine, fluorine, trifluoromethyl, hydroxy and sulfo, or

D denotes together with R''-H a naphthyl radical which can be substituted by substituents which belong to the group of substituents consisting of sulfo, carboxyl, methyl, ethyl, methoxy, ethoxy, alkanoylamino of 2 to 5 carbon atoms, which can be substituted, optionally substituted benzoylamino, chlorine, hydroxyl and nitro, or

D is in the case where R'' stands for a group of the general formula (2) a phenylene radical which can be substituted by 1 or 2 substituents which belong to the group consisting of alkyl of 1 to 4 carbon atoms, alkoxy of 1 to 4 carbon atoms, carboxy, chlorine, bromine, fluorine, trifluoromethyl and sulfo, or D is a naphthylene radical which may be substituted by 1 or 2 sulfo groups, or

D is in the case where R'' denotes a group of the general formula (3) a phenylene radical which can be substituted by 1 or 2 substituents which belong to the group of substituents consisting of alkyl of 1 to 4 carbon atoms, alkoxy of 1 to 4 carbon atoms, chlorine and sulfo,

which comprises coupling a diazonium compound of an amine of the general formula (5)



in which D and R, have the abovementioned meanings, with 1-amino-3, 6-disulfo-8-hydroxynaphthalene or 1-amino-4, 6-disulfo-8-hydroxynaphthalene in equimolar or practically equimolar amounts at a pH value between 4 and 3.5 and then coupling the monoazo compound as formed with a further diazonium compound of an amine of the general formula (5) mentioned and defined above in an equimolar or practically equimolar amount at a pH value between 4.5 and 7.5, and at least one of the two diazonium salts used of the amines (5) mandatorily contains in accordance with the definition of the disazo compounds of the general formula (1) a group of the general formula (3).

Compl. specn. 41 pages

Drg. 4 sheets

CLASS : 15-D; 127-1

165331

Int. Cl. : F 16 c 1/00, 3/00, 17/00 19/00 29/00.

MECHANISM FOR PRE-LOADING BEARINGS.

Applicant : THE CROSS COMPANY, OF FRASER, MICHIGAN, U.S.A.

Inventor : FRANK R. MOTTERSHEAD.

Application No. 585/Cal/85 filed August, 12, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

Mechanism for pre-loading bearings and in particular for mounting a rotatable member within a bore in a housing, said mechanism comprising :

a selected number of bearings journaling said rotatable member within said bore;

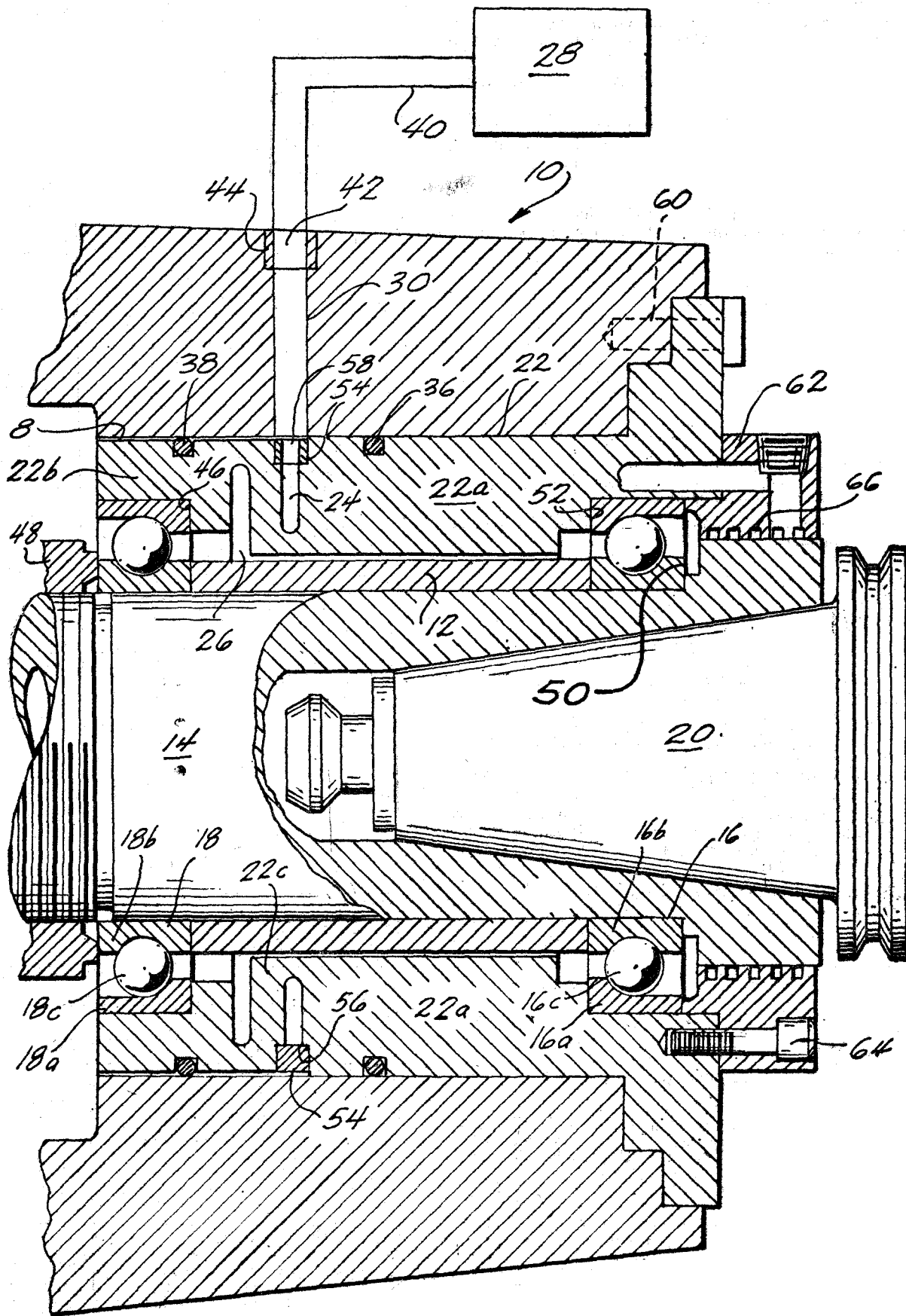
a bearing support sleeve disposed within said bore and supporting said bearings, said bearing support sleeve comprising a first portion tightly fitted in said bore,

a second portion slip-fitted in said bore and positioned to apply a pre-load force to said bearings, and an elastic member for joining said first and second portions; and

means associated with said yieldable member for controllably deforming said yieldable member to urge said second portion axially to preload said bearings.

Compl. specn. 28 pages

Drg. 3 sheets



CLASS : 122

165332

Int. Cl. : B 03 c 3/86.

AN ELECTRODE HOLDING ARRANGEMENT IN AN ELECTROSTATIC PRECIPITATOR.

Applicant : FLANK AKTIEBOLAG, OF SICKLA ALLE 13, NACKA, SWEDEN.

Inventor : ROIF GORANSSON.

Application No. 184/Cal/85 filed November 05, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

An electrode holding arrangement in an electrostatic precipitator, comprising :

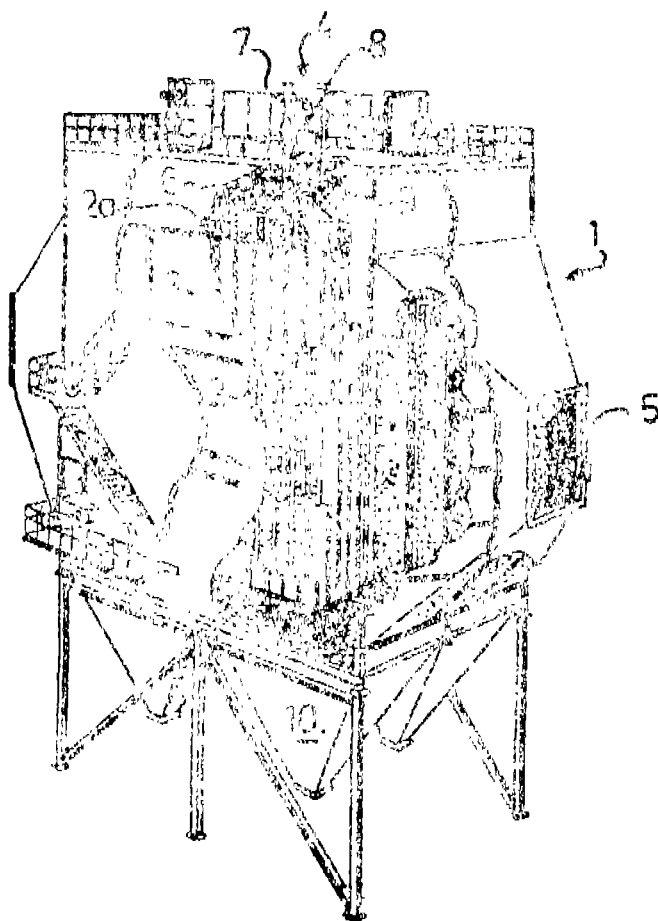
rod-like flexurily rigid discharge electrodes (2); two horizontally extending flexurily rigid electrode holding devices (11, 11'); and

A predetermined number of said discharge electrodes attached at their upper end parts to said electrode holding devices;

a carrier element (12, 13, 16);

and one or more, preferably two, thin plates (14, 15) for connecting the two electrodes holding devices to said carrier element, whereby relative and substantially horizontal movement between the carrier element and the electrode holding devices is possible;

wherein there are two rows of discharge electrodes (2) arranged adjacent to each other and connected to the two electrode holding devices (11, 11') and that said electrode holding devices are actuated by one percussion mechanism (17) arranged between the two holding devices and mounted on the carrier element (16) for delivering a substantially horizontally directed impact force to said flexurily rigid electrode holding devices.



Compl. specn. 22 pages

Drg. 2 sheets

CLASS : 155

165333

Int. Cl. : D 21 h 1/22.

A METHOD OF PRODUCING A HEAT AND PRESSURE CONSOLIDATED LAMINATE.

Applicant : FORMICA CORPORATION, OF 1 CYANAMID PLAZA, WAYNE, STATE OF NEW JERSEY, U.S.A.

Inventors : (1) RICHARD FREDERICK JAISLE, (2) MARTHA JANE ALBERS, (3) HENRY CARL MOLLMANN, (4) JAMES HARDIN BURGESS.

Application No. 817/Cal/1985 filed November 18, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A method of producing a heat and pressure consolidated laminate which comprises forming a laminate assembly, in superimposed relationship of :

(a) a core comprising a plurality of colorless polyester resin impregnated paper sheets and a peroxide catalyst; and

(b) at least one decor paper sheet impregnated with melamine/formaldehyde thermosetting resin and consolidating the assembly under sufficient heat and pressure to activate the peroxide catalyst and form a unified consolidated laminate of from 1/32 to 1-1/2 inch in thickness.

Compl. specn. 10 pages

Drg. Nil

CLASS :

165334

Int. Cl. : H 01 s 3/00.

ARRANGEMENT FOR EXTERNAL MODULATION OF CO₂-LASER RADIATION OF HIGH PERFORMANCE.

Applicant : VEB KOMBINAT FEINMECHANISCHE WERKE HALLE, OF DDR-4020 HALLE, RUDOLFBREITSCHIED-STR. 71, GERMAN DEMOCRATIC REPUBLIC.

Inventors : (1) DR. SC. NAT. GIBERT STAUPENDAHL, (2) DR. RER. NAT. MANFRED POHLER, (3) DR. RER. NAT. KLAUS SCHINDLER.

Application No. 831/Cal/1985 filed November 22, 1985.

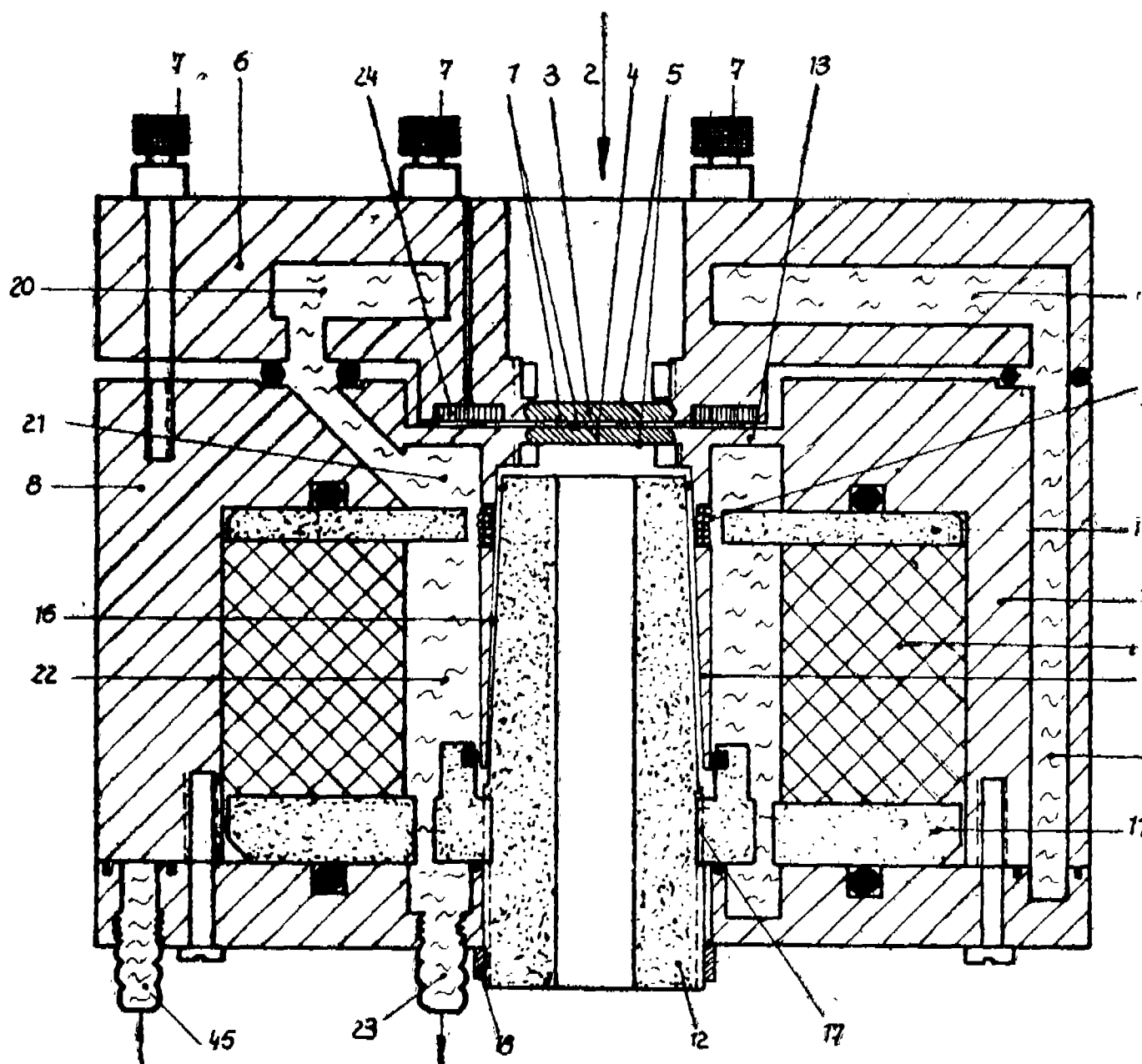
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

An arrangement for external modulation of CO₂-laser radiation of high performance by the use of two plane plates made of a suitable transparent material, e.g. Ge, GaAs, or ZnSe, arranged plane-parallel to each other, forming a gap of defined width, at two sides, the inside surfaces of which facing each other are mirrored and the outside surfaces demirrored and the distance between which can be varied, wherein one of the two plates (3) is rigidly fixed preferably by suitable adjusting elements for adjusting the plane-parallel distance with the other plate (4), e.g. adjusting screws (7), with a massive base structure which

is made of a strong permanent magnet (10) including the magnetic conduction iron belonging to it and a chamber (9), which is stable against vibration, whereas the other plate (4) together with a special hollow cylinder (14), which fixed with an elastic membrane (13), forms a system capable of vibration relatively to the base structure of the instrument, which is actuated on the one hand by the electro-magnetic interaction between the permanent magnet (10) and a coil (15) through which control current passes and which is situated on the special hollow cylinder (14) and which is situated in the air-gap between the poles of the permanent magnet (10) and is damped on the other hand by the high viscosity defined by the friction force of a damping medium (16), which is in the gap

between the inside surface of the special hollow cylinder (14) and the outer surface of a hollow part (12) fixed rigidly with the base structure of the instrument arranged in suitable way, preferably to the core of the permanent magnet (10), whereby the width of the existing gap and the viscosity of the highly viscous damping medium (16) are matched to each other in such a way that the friction force required for the damping can be adjusted and whereby hollow spaces (19; 20; 21; 22) are provided in the whole system for the circulation of a thermostating cooling fluid, with the help of which the heat evolved by the absorbed laser radiation as well as by the current through the coil is dissipated and the whole arrangement is kept thermally stable.



Compl. specn. 30 pages

Drg. 5 sheets

CLASS : 194-C,

165335

Int. Cl. : H 01 j 29/02, 29/48.

ELECTRON GUN ASSEMBLY WITH REINFORCING MEANS FOR CUP-SHAPED ELECTRODE.

Applicant : RCA CORPORATION, OF 30 ROCKEFELLER PLAZA, NEW YORK, 10020, U.S.A.

Inventors : JOHN RICHARD HALE.

Application No. 837/Cal/1985 filed November 26, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

An electron gun assembly including means for generating a plurality of electron beams and electrodes for focussing said beams, said focussing electrodes including at least one substantially cupshaped member having a first end, an oppositely disposed second end and a sidewall extending therebetween, characterised in that said sidewall includes a plurality of reinforcing ribs formed therein and extending longitudinally substantially from said first end to said second end to minimize the flexure of said sidewall.

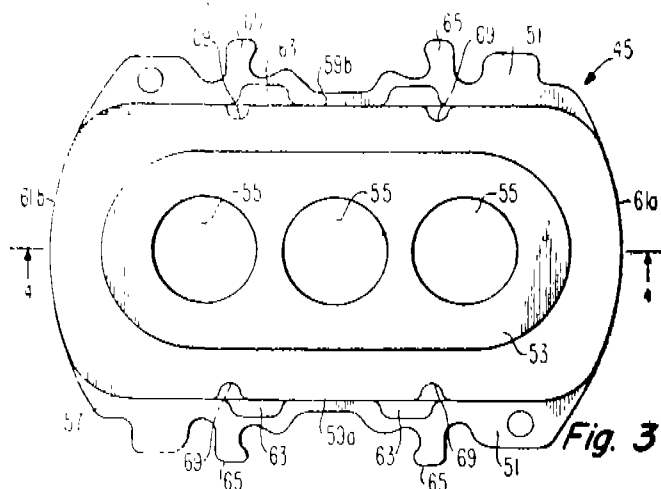
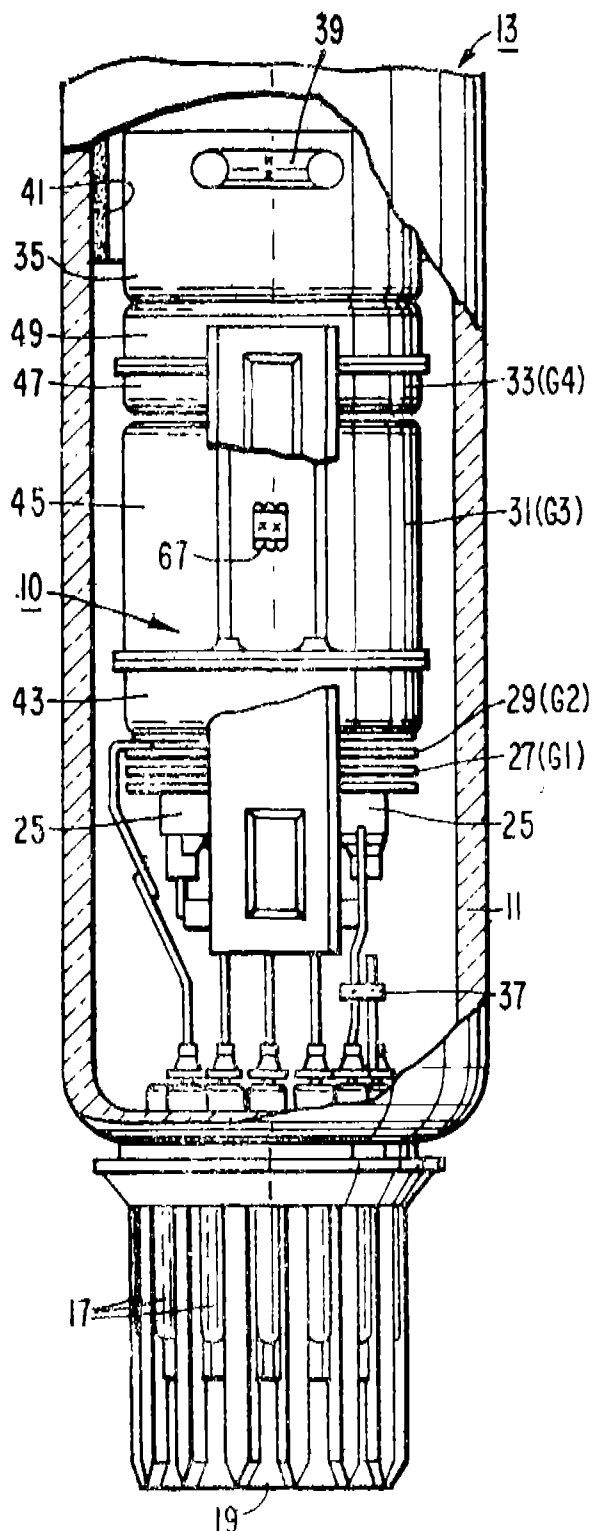


Fig. 3

Compl. specn. 11 pages

Drg. 3 sheets

CLASS : 43-A

165336

Int. Cl. : H 04 m 9/02.

COLOR PICTURE TUBE HAVING IMPROVED SHADOW MASK.

Applicant : RCA CORPORATION, OF 30 ROCKFELLER PLAZA NEW YORK, NEW YORK, 10020, U.S.A.

Inventors : WALTER DAVID MASTERTON.

Application No. 838/Cal/85 filed November 26, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A color picture tube including a shadow mask mounted adjacent a cathodoluminescent line screen, said shadow mask comprising :

a plurality of slit-shaped apertures therein located in columns;

said shadow mask having a substantially somewhat rectangular periphery with two opposing long sides and two opposing short sides;

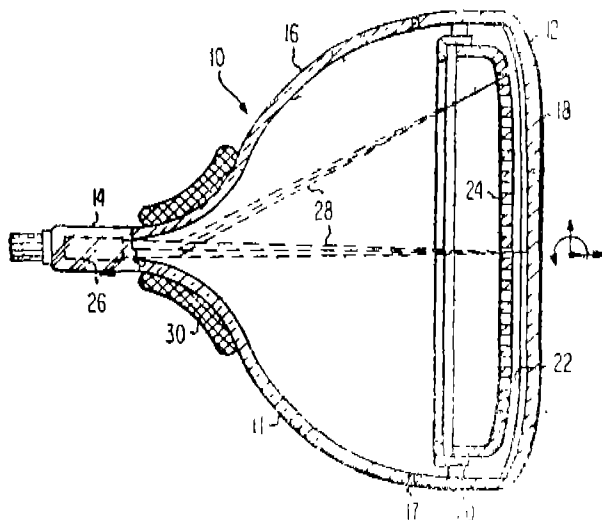
a major axis of said mask being an axis passing through the center of the mask and centrally extending through the short sides, and a minor axis of said mask being an axis passing through the center of the mask and centrally extending substantially in the direction of the minor axis and being spaced from each other in the direction of the major axis;

wherein the aperture column-to-column spacing near the minor axis of said mask is less at the long sides of said mask than near the major axis of said mask;

the aperture column-to-column spacing is greater near the corners of said mask than near the major axis, and the aperture column-to-column spacing along

cross-sections parallel to the major axis, but off the major axis, varies approximately as the equation :

$A = a + bx^2 + cx^4$, where : A is the column-to-column spacing a, b and c are different functions of the distance from the major axis, and x is distance from the minor axis.



Compl. specn. 12 pages

Drg. 4 sheets

CLASS : 43-A

165337

Int. Cl. : H 04 m 7/02.

COLOUR PICTURE TUBE HAVING IMPROVED LINE SCREEN.

Applicant : RCA LICENSING CORPORATION, OF 2 INDEPENDENCE WAY, PO BOX 2023 PRINCETON, NEW JERSEY 08540, OF THE STATE OF DELWARE, U.S.A.

Inventors : ALBERT MAXWELL MORRELL AND WALTER DAVID MASTERTON.

Application No. 839/Cal/1985 filed November 26, 1985.

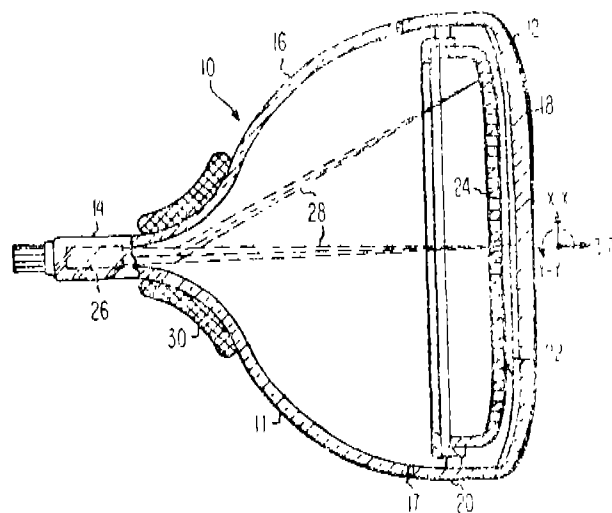
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A colour picture tube having a shadow mask mounted adjacent a line screen, said shadow mask comprising columns, said line screen having a substantially rectangular periphery with two opposing long sides and two opposing short sides, a major axis of said screen being an axis passing through the center of the screen and centrally extending through the short sides, and a minor axis of said screen being an axis passing through the center of the screen and centrally extending through the long sides, and said screen comprising cathodoluminescent lines generally extending in the same direction as the minor axis;

wherein the cathodoluminescent lines of said screen, in plan front view, first increase in curvature and then decrease in curvature with increasing distance from the minor axis, to become approximately straight at the short sides

of the screen, the curvature of the lines being concave facing the minor axis.



Compl. specn. 12 pages

Drg. 4 sheets

CLASS :

165338

Int. Cl. : H 01 J 29/07.

APPARATUS AND METHOD FOR FORMING A SHADOW MASK FROM A FLAT BLANK.

Applicant : RCA CORPORATION, OF 30 ROCKEFELLER PLAZA, NEW YORK, NEW YORK, 10020, U.S.A.

Inventor : FRANK ROWLAND RAGLAND, JR.

Application No. 861/Cal/1985 filed December 03, 1985.

Convention dated 6th June, 1985 (Canada) (No. 483, 375).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

Apparatus for manufacturing a shadow mask having short and long sides, said apparatus comprising :

- a punch having a peripheral contour;
- a pad having said contour and disposed opposing said punch; and
- a pair of dies for respectively receiving said punch and pad, each die having an inner edge peripheral contour along at least a short side thereof different from the peripheral contour of said punch and pad.

Compl. specn. 9 pages

Drg. 2 sheets

CLASS : 63-A, B and 133-A

165339

Int. Cl. : H 02 k 1/00; H 02 p 1/00.

A SYNCHRONOUS A.C. ELECTRICAL MOTOR.

Applicant : PRECISE POWER CORPORATION, 281M, UPPER MANATEE RIVER ROAD, BRADENTON, COUNTRY OF MANATEE, FLORIDA, 33508, U.S.A.

Inventors : (1) JOHN F. ROESEL, JR., (2) RONNIE J. BARBER.

Application No. 868/Cal/1985 filed December 04, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A synchronous A.C. electrical motor comprising (A) a stator, bearings associated with the stator for supporting a rotor, the stator comprising a body of high permeability soft magnetic material arranged to have low eddy current losses, the body having a surface in the shape of a surface of revolution coaxial with the axis of the rotor, power windings energizable with input A.C. power disposed in the body adjacent to the surface of revolution to provide a rotating magnetic field about the axis when so energized, an excitation coil energizable with single phase A.C. disposed about a pole piece having a magnetizing face substantially at the surface of revolution, and the improvement characterized in that (B) the rotor has three electrically and magnetically associated major components comprising :

- (1) a first external layer of a high coercive force, low electrical conductivity magnetizable permanent magnetic material, the first layer having an exterior surface of revolution coextensive with and complementarily matching the surface of revolution of the stator with a rotational clearance space therebetween;
- (2) a second component upon which the first layer is placed in close contact to provide a low reluctance path for magnetic flux from the first layer, the second component comprising a body of high permeability material arranged to provide low eddy current losses therein; and
- (3) the third component closely magnetically and structurally associated with the second component and comprising a ferromagnetic material having high permeability and high electrical conductivity and of a selected resistance, whereby during starting and at low rotor speeds the rotating magnetic field of the stator will generate circulating electrical currents in the third ferromagnetic component to produce magnetic field so as to apply a high rotational torque to the rotor, and at higher speeds approaching synchronous speed, when the excitation coil is energized with A.C., the pole piece will be magnetized into successive strong north and south magnetic polarity and its magnetizing face will magnetize the first layer of permanent magnetic material into a controlled pattern north and south magnetic poles that are at a phase angle relative to the rotating magnetic field of the stator so as to produce a strong rotational torque capable of bringing the rotor up to synchronous speed, and the rotor components cooperate to maintain the rotor speed in synchronism with the rotating magnetic field of the stator.

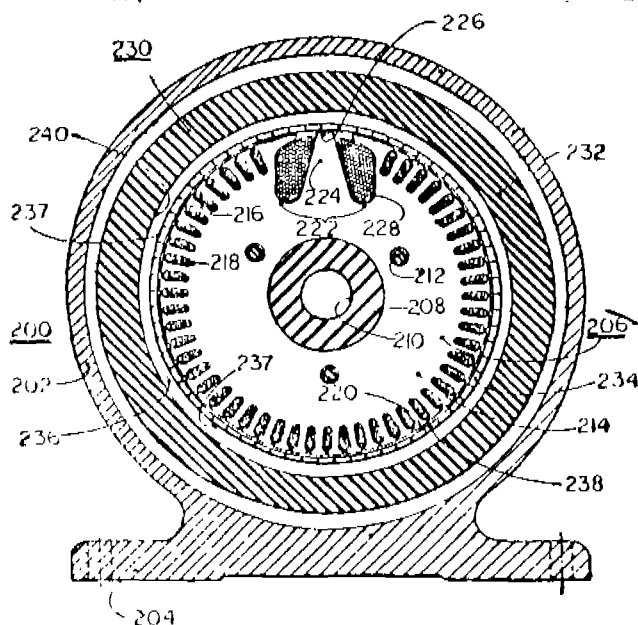


Fig. 7

Compl. specn. 43 pages

Drg. 6 sheets

CLASS : 194-C,

165340

Int. Cl. : H 01 j 29/56.

COLOUR PICTURE TUBES.

Applicant : RCA CORPORATION, OF 30 ROCKEFELLER PLAZA, NEW YORK, NEW YORK, 10020, U.S.A.

Inventors : HSING-YAO CHEN.

Application No. 870/Cal/85 filed December 04, 1985.

Convention date 13th February, 1985 (Canada) (No. 474, 243).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A colour picture tube having an inline electron gun for generating and directing three electron beams, a center beam and two side beams, along initial coplanar paths toward a screen of said tube, said gun including a main focus lens for focussing said electron beams, the main focus lens being formed by two spaced electrodes each having three separate inline apertures therein, a center aperture and two side apertures, each focus lens electrode also including a peripheral rim, the peripheral rims of the two electrodes facing each other, and the apertured portion of each electrode being within a recess setback from the rim;

characterised in that each of the apertures in each of said focus lens electrodes has a shape that distorts a portion of the focus field thereof to at least partially compensate for an astigmatic effect within said tube that acts on an associated electron beam. the side apertures in both of said electrodes being nonsymmetrical about axes that pass through the centers of the respective side apertures and are perpendicular to the initial coplanar paths of the electron beams.

Fig. 1

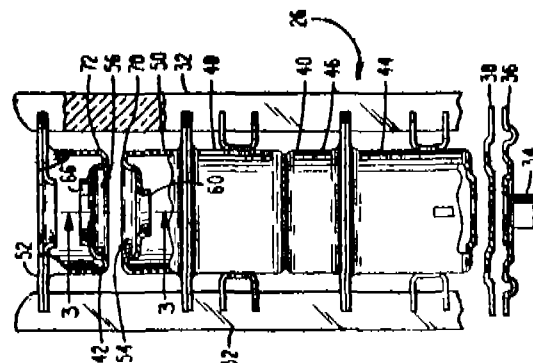
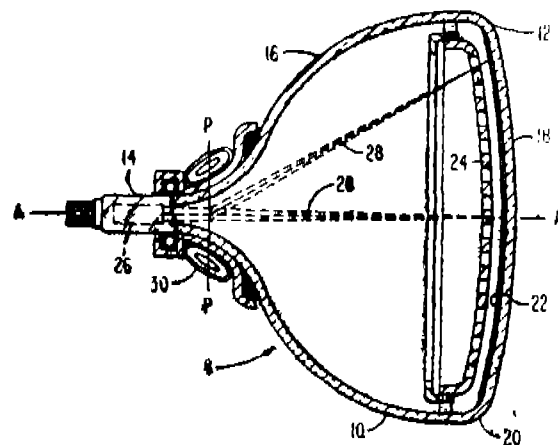


Fig. 2

Compl. specn. 11 pages

Drg. 2 sheets

Int. CLASS⁴: F 02 M 47/00

165341

APPARATUS FOR METERING FUEL TO AN ENGINE.

Applicant : ORBITAL ENGINE COMPANY PROPRIETARY LIMITED, A COMPANY INCORPORATED UNDER THE LAWS OF WESTERN AUSTRALIA, OF 4 WIPPLE STREET, BALCATTA, WESTERN AUSTRALIA, AUSTRALIA.

Inventor : MICHAEL LEONARD MACKAY.

Application for Patent No. 617/Del/85 filed on 31st July, 1985.

Convention date 1st August, 1984/PG 6327/(Australia).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

18 Claims

Apparatus for metering fuel to an engine comprising :

- a chamber having an open fuel port;
- a selectively operable gas port and a selectively operable delivery port;
- means to supply fuel to said fuel port, and gas to said gas port;
- means to regulate the pressure differential between the fuel and gas supplies to the fuel and gas ports in response to the engine load; and
- means to selectively open said gas and delivery ports to deliver from the chamber when both said fuel and gas ports are open, the fuel in and fuel entering the chamber while the discharge port is open.

Compl. specn. 23 pages

Drg. 4 sheets

Int. CLASS⁴: C 07 c 43/02

165342

PROCESS FOR THE HYDRATION OR ETHERIFICATION MONO-OLEFINS TO AN ETHER OR ALCOHOL.

Applicant : UOP INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE IN THE UNITED STATES OF AMERICA, WITH ITS PRINCIPAL PLACE OF BUSINESS LOCATED AT TEN UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES, ILLINOIS 60016, U.S.A.

Inventor : BRIDGGS BRUCE ALLEN.

Application for Patent No. 704/Del/85 filed on 28th August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

A process for the hydration or etherification of C_3 to C_6 monoolefins to produce ether or alcohol which comprises the steps of :

- (a) passing a first chemical compound which is a C_3 to C_6 monoolefin, and a second chemical compound which is either water, methanol, ethanol or propanol into a reaction zone maintained at reaction-promoting conditions of a pressure less than 1379 k Pa_g and a temperature of 40–120 degrees C and containing a bed of a known solid catalyst comprising an acidic styrene polymer ion exchange

resin which promotes an exothermic etherification or hydration reaction between the first and the second compounds to form a third chemical compound, being an ether or an alcohol, which is less volatile than the first and second compounds, and a vapor phase being formed within the reaction zone at least in part by the vaporization of the first and/or second compounds by heat released in said exothermic reaction;

- (b) passing the vapor phase stream comprising the first and/or second compounds into a condensing zone located above the bed of catalyst and forming condensate by condensing essentially all of the vapor phase stream;
- (c) passing the condensate downward into the bed of catalyst;
- (d) withdrawing a liquid phase effluent stream which comprises the first, second and third chemical compounds from a bottom portion of the reaction zone; and
- (e) recovering the third compound from the effluent stream.

Compl. specn. 17 pages

Drg. 1 sheet

Int. CLASS⁴: B 05 D-3/10

165343

A PROCESS FOR FORMING A DRIED COATING UPON A SUBSTRATE.

Applicant : VAPOCURE INTERNATIONAL PTY LIMITED, A COMPANY ORGANISED UNDER THE LAWS OF THE STATE OF NEW SOUTH WALES, OF 220 PACIFIC HIGHWAY, CROWS NEST, NEW SOUTH WALES 2065, AUSTRALIA.

Inventor : ALAN DON MCINNIS.

Application for Patent No. 726/Del/85 filed on 3rd September, 1985.

Convention date 13th September, 1984/PG 7087/(Australia).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

A process for forming a dried coating upon a substrate comprising applying a one component vehicle containing free isocyanate groups upon a substrate, the vehicle having a polyisocyanurate, urethane, biuret or allophanate structure, characterised in that said vehicle is dried by subjecting the vehicle to treatment by a hydrated catalyst complex in vapour phase, said hydrated catalyst complex consisting of an amine, tertiary amine, alkanolamine, organo metal or inorganic metal salt in concentration 100–5,000 ppm said treatment being carried out in an atmosphere of 10–80% relative humidity, at a temperature within the range 10 C–40°C.

Characterised in that a one component vehicle is dried by subjecting the vehicle to treatment by a hydrated catalyst complex in vapour phase.

Compl. specn. 23 pages

Drg. 3 sheets

Int. CLASS⁴: C 21 B 13/08

165344

PROCESS AND ROTARY KILN FOR THE DIRECT REDUCTION OF ORE.

Applicant : SORD INTERNATIONAL AG, A LICHTENSTEIN COMPANY, OF ALTE LANDSTRASSE 670, FL-9495 TRIESEN, PRINCIPALITY OF LICHTESTEIN.

Inventors : ALLAN DOUGLAS CLARK, ISAAC WOLF JOFFE and LESLIE JOHN FISHER.

Application for Patent No. 834/Del/85 filed on 09th October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A process for the direct reduction of ores in a hot rotary kiln having a feed-end and a discharge-end and defining therein a pre-heating zone and a reduction zone, which process comprises:

feeding the ore and any required fluxes into said kiln from the feed-end thereof;

continuously introducing oxidising gas into said kiln over the length thereof; and

propelling separately into said kiln from both the feed and discharge ends thereof solid carbonaceous material high in volatiles for use both as a reductant and as a fuel;

characterised in that said oxidising gas introduced in said pre-heating zone of said kiln is directed toward the discharge end of said kiln and the oxidising gas introduced in said reduction zone of said kiln is directed toward the feed-end of said kiln and in that the propelling medium employed for the propulsion of said carbonaceous material into said kiln both ends thereof is substantially removed prior to entry of said carbonaceous material into said kiln thereby enabling the pressure and composition of atmosphere within with kiln to be controlled only by the introduction of said oxidising gas.

Compl. specn. 9 pages

Drg. 2 sheets

Int. CLASS¹: B 28 C 1/00

165345

METHOD OF PREPARING A FLOCCED MINERAL MATERIAL SUITABLE FOR FORMING HIGH TEMPERATURE WATER RESISTANT SILICATE ARTICLES.

Applicant : ARMSTRONG WORLD INDUSTRIES, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA, OF P.O. BOX 3001, LANCASTER, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventor : THOMAS MICHAEL TYMON.

Application for Patent No. 873/Del/85 filed on 17th October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A method of preparing a flocced mineral material of the kind such as herein described that can be utilized to form a non-asbestos high temperature article that exhibits water resistance, which method comprises contacting a swelled layered silicate gel that has an average charge per structural unit that ranges from -0.5 to -1 and which contains exchangeable interstitial ions of the kind such as herein described with at least one species of guanidine derived cations of the kind such as herein described to thereby effect an ion exchange reaction between at least some of the exchangeable interstitial ions and at least some of the guanidine derived cations.

Complete specification 16 pages.

Int. CLASS¹: H 01 H 3/00

165346

ELECTRIC SWITCH.

Applicant : AKTIESELSKABET LAUR, KNUDSEN NORDISK ELEKTRICITETS SELSKAB, A DANISH COMPANY OF, HARALDSGADE 53, DK-2100, COPENHAGEN, DENMARK.

Inventors : ERIK KINDBERG and JAN LYTHCKE IRGENSEN.

Application for Patent No. 879/Del/85 filed on 18th October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

An electric switch comprising fixed and movable contacts and a manual control handle rigidly connected to a toggle means having a first mechanical energy reservoir comprising:

a spring (40);

said fixed contacts mounted in an enclosing housing and said movable electric contacts mounted on a common contact bridge (30) displaceable by said toggle means between an IN-position wherein all the electric contacts are closed and an OUT-position wherein all the electric contacts are open said toggle means comprising a carrier means (36) connected to the handle through a first pivotable arm (37);

said carrier means projecting into an opening (42) in the contact bridge (30);

said opening (42) having predetermined limited dimensions characterised in that a limiting edge of the opening (42) abutting the carrier means (36) in the IN-position of the toggle means is provided on a movable blocking member (46, 100) mounted on the contact bridge and is normally locked in a blocking position by a locking means consisting of a latch mechanism (50, 106) mounted on said contact bridge, and that ejector means (56, 132) are provided in alignment with the displaceable contact bridge (30);

said ejector means comprising a mechanical energy reservoir consisting of a second spring (64) which through an impact action is capable of transferring the contact bridge from the IN-position to the OUT-position and a mechanical and/or electric releasing means [74, 76), 144, 148, 108] is located adjacent the locking means which is responsive to a predetermined mechanical or electric action is able to unlock the locking means (50) thereby releasing the normally locked blocking member (46, 100) and immediately thereafter releasing the ejector means (56,

132) thereby displacing the contact bridge and disconnecting the contacts.

Compl. specn. 29 pages

Drg. 7 sheets

Int. CLASS¹: B 03 C 5/00

165347

AN ELECTROFILTRATION DEVICE FOR DEWATERING OR SEPARATING PARTICLES IN A SLURRY, DISPERSION OR COLLOIDAL SUSPENSION.

Applicant : DORR-OLIVER INCORPORATED, OF 77 HAVEMEYER LANE, P.O. BOX 9312, STAMFORD, CONNECTICUT 06904-9312, UNITED STATES OF AMERICA.

Inventor : PETER RICHARD KLINKOWSKI.

Application for Patent No. 1009/Del/85 filed on 29th November, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

An electrofiltration device for dewatering of or separating particles from a sluddy, dispersion or colloidal suspension such as herein described which comprises :

- a treatment vessel for containing the slurry, dispersion or colloidal suspension to be treated;
- an electrode and a counter-electrode provided within said treatment vessel;
- said electrode and counter-electrode being spaced apart and defining a treatment zone therebetween;
- at least one of said electrode or counter-electrode being an electrode assembly comprising a U-shaped shell of an ion-selective membrane materials.

a coating of a catalytic material bonded to the interior of said U-shaped shell;

said catalytic material being selected from the group consisting of metals of Groups VIII B and IB of the Periodic Table, highly oxidation-resistant valve metals such as herein described, oxides of any of these metals and mixtures thereof, and a conductive core constituting an electric current distributor;

said core contacting said coating of catalytic material to distribute current thereto;

said core also providing support for said U-shaped shell.

Complete specification 21 pages

Drg. 1 sheet

Int. CLASS⁴ : C 09 D 3/48

165348

A PROCESS FOR PREPARING A COATING COMPOSITION.

Applicant : THE LUBRIZOL CORPORATION, OF 29400 LAKELAND BOULEVARD, WICKLIFFE, OHIO 44092, UNITED STATES OF AMERICA, A CORPORATION OF THE STATE OF OHIO, U.S.A.

Inventor : ROBERT EDWIN QUINN.

Application for Patent No. 1107/Del/85 filed on 24th December, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

40 Claims

A process for preparing a coating composition, comprising :

- (a) preparing a non-Newtonian colloidal disperse system having a neutralization base number of 3 or less, by dispersing solid metal-containing colloidal particles such as herein described in a liquid dispersing medium such as herein described, and combining the dispersion with at least one organic compound which is soluble in the dispersing medium and has molecules having a hydrophobic portion and at least one polar substituent; and

- (b) combining the colloidal disperse system with an isocyanate-free polymeric cross-linked material which is obtained from a plurality of cross-linkable polymeric polyfunctional materials of the kind such as herein described optionally in the presence of a cross linking agent as herein described.

The product of the invention useful on caulks extruding composition, moulding composition and the like.

Compl. specn. 74 pages

Drg. 4 sheets

Int. CLASS⁴ : B65D 1/00

165349

A SUITCASE OR BRIEFCASE WITH A DEVICE FOR LOCKING HANDLE TO THE BODY.

Applicant : RAJENDRA KUMAR, AN INDIAN NATIONAL, OF C/O SHRI MANIK CHAND JAI KISHAN, GOLD SMITH, P.O. SASNI, ALIGARH, UTTAR PRADESH, INDIA.

Inventors : VERMA INDIRA DEVI AND KUMAR RAJENDRA.

Application for Patent No. 455/Del/86 filed on 26th May, 1986.

Complete specification left on 25th August, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

16 Claims

A suitcase or briefcase with device for locking handle to the body comprising :

a body or base and a cover or lid hinged together on one side thereof;

a handle pivoted at its ends to the front side of the body or base characterised in that means are provided for locking the handle to the base or body or the cover or lid and lying in contact therewith for preventing the luggage being carried off by means of the handle.

Provisional specification : 2 pages.

Compl. specn. 15 pages

Drg. 4 sheets

Int. CLASS⁴ : G 03 B 25/00

165350

A FILM STRIP VIEWER.

Applicant : KINGSWAY ENTERPRISES PRIVATE LIMITED, 12, SHAM NATH MARG, DELHI-110054, INDIA, AN INDIAN COMPANY.

Inventor : RAVI GUPTA.

Application for Patent No. 726/Del/86 filed on 12th August, 1986.

Divisional to Application No. 38/Del/84 filed on 11th January, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

10 Claims

A film strip viewer for viewing of a film strip having notches, comprising :

a housing with an eyepiece lens coincident with a translucent sheet;

means for displacing the film strip between said eyepiece lens and translucent sheet characterised in that said means comprise a slidable gate member with a gate;

said member being provided with a finger such that it engages with a notch of said strip;

an actuator for displacing said gate member such that when said finger is engaged with a notch of a film strip and when the actuator is actuated the gate member carrying therewith the film strip moves forward.

Compl. specn. 7 pages

Drg. 1 sheet

Ind. CLASS : 170B [XLIII(4)]

165351

Int. Cl. : C 11 D—3/08, 3/10.

A PROCESS FOR THE PREPARATION OF A SPRAY-DRIED DETERGENT POWDER AND A SPRAY-DRIED POWDER THEREBY PRODUCED.

Applicant : HINDUSTAN LEVER LIMITED, OF HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA. A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913.

Inventor : (1) BISHOP DAVID PAUL, (2) RUSSEL PETER JOHN AND (3) KNIGHT PETER CORY.

Application No. 24/Bom/1986 filed on 20th January, 1986.

U.K. Convention priority date (8502032) 28 January, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

10 Claims

A process for the preparation of a spray-dried detergent powder, which comprises the steps of :

- (i) forming an aqueous crutcher slurry comprising anionic surfactant, sodium carbonate sodium silicate, sodium bicarbonate and water;
- (ii) spray-drying it to a powder comprising :
 - (a) from 15 to 40% by weight of anionic surfactant;
 - (b) from 20 to 70% by weight of sodium carbonate;
 - (c) from 5 to 20% by weight of sodium silicate;
 - (d) from 1 to 7.5% by weight of sodium bicarbonate; the weight ratio of sodium bicarbonate to sodium silicate being within the range of from 0.25 : 1 to 0.40 : 1, the amounts of the components in step (i) being chosen depending upon the desired amounts in the final product;
- (iii) admixing from 0 to 15% by weight of additional sodium bicarbonate with the spray-dried powder, all percentages being based on the final product.

Compl. specn. 24 pages

Drg. Nil

Ind. CLASS : 35C [XXV (2)]

165352

Int. Cl. : C04B—1434, 26/02, 26/14, 26/22.

A PROCESS FOR MANUFACTURING CONCRETE POLYMER MACHINE PARTS AND MACHINE PARTS MADE OF CONCRETE POLYMER.

Applicant : FRITZ STUDER A.G A COMPANY INCORPORATED UNDER THE SWISS LAWS, 3602, THUN, SWITZERLAND.

Inventor : (1) HANSJOERG RENKER and (2) MARTIN ABEGGLEN.

Application No. 89/Bom/1986 filed on March 10, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

19 Claims

A concrete polymer machine part comprising :

a binding agent;

substantially cubic rock particles having a grain size at least equal to a preselected value of about 1 millimeter abutting in a substantially planar manner; and;

fine particles of mechanically resistant material having a grain size less than said preselected value and having a modulus of elasticity greater than the modulus of elasticity of the rock particles, said fine particles being located essentially in hollow spaces between said cubic particles.

Compl. specn. 20 pages

Drg. 1 sheet

Int. CLASS : C 11 D—3/08, 3/395

165353

PROCESS FOR PREPARING BLEACH-CONTAINING LAUNDRY BARS FOR THE USE IN THE HAND-WASHING OF FABRICS.

Applicant : HINDUSTAN LEVER LIMITED, A COMPANY INCORPORATED UNDER THE LAWS OF INDIA, OF HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) TIMOTHY DAVID FINCH, (2) DENNIS POSTLETHWAITE, (3) PETER JAMES POWERS.

Application No. 92/Bom/1986 filed on March 12, 1986.

U.K. Convention priority date March 14, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

A process for preparing a bleach-containing laundry bar for use in the hand washing of fabrics comprising the steps of adding to an anionic detergent active material all or the major part of formulation water followed by mixing therewith a detergent builder material to form a dough and adding thereto sodium perborate and magnesium silicate at the final fixing stage, during which the dough temperature should not exceed 50°C and finally passing the dough through roller-mill before extrusion to form the bar, the ingredients being added in the process in amounts so as to provide from 15% to 45% by weight of the anionic detergent-active material from 5% to 60% by weight of the detergency builder material from about 5% to 30% by weight of sodium perborate, from 0.5% to not more than 2.5% by weight of magnesium silicate, and 0.5% to 0.7% by weight of a heavy metal sequestrant.

Complete specn. 17 pages

Drg. Nil

Ind. CLASS : 32C + 32F, IX(1)

165354

Int. Cl. : Co 7 C 157/00

PROCESS FOR THE PREPARATION OF THIOUREA DIOXIDE.

Applicant : NATIONAL PEROXIDE LIMITED, AN INDIAN COMPANY REGISTERED UNDER THE COMPANIES ACT, 1913, HAVING ITS REGISTERED OFFICE AT NEVILLE HOUSE, J.N. HEREDIA MARG, BALLARD ESTATE, BOMBAY-400 038, MAHARASHTRA, INDIA.

Inventors : (1) TUSHAR KANTI DAS, (2) ARUNABHA LAHIRI, (3) SANKAR KUMAR DATTA.

Application No. 136/Bom/1986 filed April 30, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

16 Claims

An improved process for preparation of Thiourea dioxide by reacting thiourea with hydrogen peroxide in an aqueous medium and in the presence of an additive or mixture of additives as herein defined at a temperature of 0 to 10°C and subsequently isolating the end product in dry crystalline form from the mother liquor in the known manner.

Compl. specn. 11 pages

Drg. Nil

Ind. CLASS : 48A, [LVIII(3)]

165355

Int. Cl. : H01B—7/18, 13/22.

SHIELDED CABLE.

Applicant & Inventor : NANDAKUMAR RAM-CHANDRA JOSHI, OF 66 SAHAWAS SOCIETY, KARVE-NAGAR, PUNE-411 052, MAHARASHTRA, INDIA.

Application No. 173/Bom/1986 filed on June 16, 1986.

Complete after provisional left on September 11, 1987.

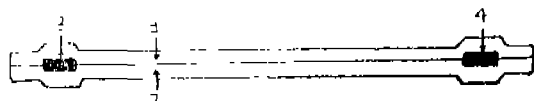
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims

A shielded cable produced by using a metallic shield comprising :

a metal foil to which a drainwire or a number of drainwires are welded to achieve a tight and electrically continuous bond between the said metal foil and any of the drainwires;

the said metallic shield is then helically wound over one or more insulated cores to provide shielding against Electromagnetic Interference (EMI) under adverse conditions of environment and/or handling.



Prov. specn. 7 pages

Drg. 1 sheet

Compl. specn. 8 pages

Drg. Nil

Int. CLASS : H01B—7/18

165356

SHIELDED FLAT CABLE.

Applicant & Inventor : NANDAKUMAR RAM-CHANDRA JOSHI, OF 66 SAHAWAS SOCIETY, KARVE-NAGAR, PUNE-411 052, MAHARASHTRA, INDIA.

Application No. 174/Bom/1986 filed on 16th June, 1986.

Complete after provisional left on 11th September, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

4 Claims

A shielded flat cable formed by using two or more cores enclosed between two metal foils for shielding against Electromagnetic Interference effects wherein electrically conducting drainwires are sandwiched and welded between the longitudinal edges of the said metal foils to result in a shield that remains electrically continuous even after normal handling flexing and environmental effects.

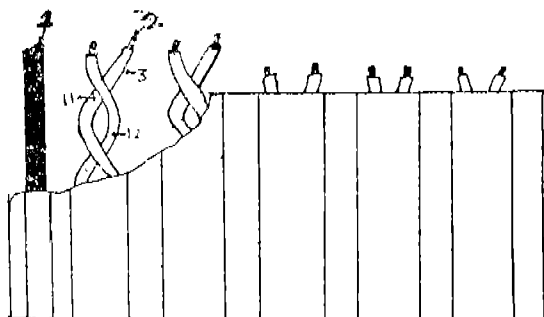


Fig. 1

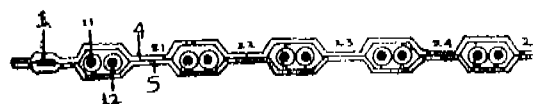


Fig. 2

Provisional specn. 7 pages

Drg. 2 sheets

Compl. specn. 7 pages.

Ind. CLASS : 170 B[XI III(4)]

165357

Int. Cl. : C 11 D—1/86.

LIQUID DETERGENT COMPOSITIONS.

Applicants : HINDUSTAN LEVER LIMITED, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) FRANCIS JOHN LENG & (2) CHRISTINE ANN LENG.

Application No. 177/Bom/1986 filed on June 16, 1986.

U.K. Priority date 21-6-1985 and 4-10-1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

29 Claims

A liquid detergent composition comprising :

(i) at least 40 wt% and less than 92 wt% of a mixture of surfactants, at least 50 wt% of the surfactants present comprising :

(a) a polyalkoxy nonionic surfactant conforming to the general formula :

"RVEW"

wherein R is an aliphatic and/or araliphatic hydrocarbon moiety,

V is a linking group such as herein defined

E is a polyethoxy and/or polypropoxy and

W is a nonionic end group the nonionic

surfactant for the portion RE having a hydrophile-lipophile balance of at least 14.5 where E is polyethoxy and an equivalent hydrophile-lipophile balance where E is polypropoxy, and

(b) an ionic surfactant having a non-terminal ionic head group with two or more hydrocarbon chains extending from the head group each chain being no more than 10 carbon atoms in length and the chains having a total length of at least 8 carbon atoms;

wherein the ratio of (a) to (b) lies within the range of from 1 : 9 to 9 : 1, and

(ii) at most 60 wt% and more than 8 wt% water, the composition having a krafft temperature of less than or equal to 25°C.

Compl. specn. 22 pages

Drg. 1 sheet

Int. CLASS : G 06 F—15/46

165358

DIGITAL CONTROLLER.

Applicant : KABUSHIKI KAISHA TOSHIBA, A CORPORATION DULY ORGANIZED AND EXISTING UNDER THE LAWS OF JAPAN, LOCATED AT 72 HORIKAWACHO, SAIWAI-KU, KAWASAKI-SHI, JAPAN.

Inventor : MASAMICHI MUZUTANI.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

21 Claims

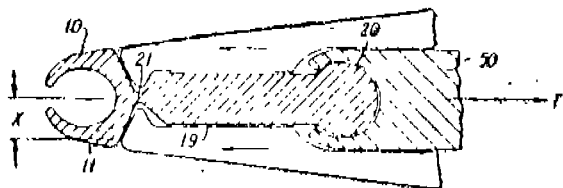
1. A surgical device comprising :

a clip herein described and an applicer tool for applying said surgical clip to surgically join opposed tissues in a manner herein described wherein said surgical clip comprises a plastically deformable body portion;

a tang for deforming said body, and a neck connecting said tang to said body;

said neck being designed to break upon application of a predetermined tensile force to said tang; and

said body being deformable by application to said tang of less than said pre-determined tensile force applied thereto by said applicer tool in the manner herein described.



Compl. specn. 18 pages

Drg. 5 sheets

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. Nos. 160813 & 160814. Mitsugi Ishida, a Citizen of Japan of 72-81 113th Street, Forest Hills, New York 11375, United States of America. a "Diamond". 14th March, 1989.

Class 3. No. 160730. Pravin Enterprises, (an Indian Company) at 84, Vikrant, Tilak Road, Ghatkopar (East) Bombay 400 077, State of Maharashtra, India. "Container Cap". 17th February, 1989.

Class 3. No. 160733. Sony Kabushiki Kaisha (also trading as Sony Corporation), a Joint Stock Company organised under the laws of Japan, of 7-35 Kitashinagawa 6-chome, Shinagawa-ku, Tokyo, Japan. "Optical Disc Cartridge". 20th February, 1989.

Class 3. No. 160748. Neha Plastics, 2690/106, Main Tota Ram Bazar, Tri Nagar, Delhi-110035, India, a sole proprietary concern) India. "Toy Telephone". 22nd February, 1989.

Class 3. No. 160792. Hope (India), of 14 Ekambareswarar Agraharam, 1st Floor, Madras 600003, Tamil Nadu, India, a Partnership firm. a "Bowl". 8th March, 1989.

Class 3. No. 160857. Daniel Alias Fernandes, Indian National of Francis Engineering Works, Plot No. 77 and 78, Marol-Co. Op. Industrial Estate Limited, Mathuradas Vasanji Road, J.B. Nagar, Bombay-400059, Maharashtra, India. "Brush". 3rd April, 1989.

Class 3. No. 160859. Sanarti International, An Indian Partnership Firm, S-158-Greater Kailash, Part-II, New Delhi-110048, India. "Lighting Device". 3rd April, 1989.

Class 3. No. 160941. Ashish Enterprises, Irani Bldg, Ground floor, 303, Cawasji Street, Bombay-2, State of Maharashtra, India, an Indian Partnership firm. "Ampoule Cutter". 2nd May, 1989.

Class 3. No. 161192. Asha Handicrafts, 84, Marol Co-operative Industrial Estate, Mathuradas Vasanji Road, Marol, Andheri (E), Bombay-400 059, Maharashtra, India, an Indian Partnership firm. "Casserole". 18th July, 1989.

Class 5. No. 160752. Purolator India Limited, of 1, Sri Aurobindo Marg, New Delhi-110016, India, an Indian Company. "Filter Element". 23rd February, 1989.

Copyright extended for the Second period of five years.

Nos. 158233, 158234, 154597, 159663, 159708, 159707 159703. Class 1

Nos. 158797, 158932, 158196, 158194, 158191, 158583, 158190, 158582, 158195, 158501, 159766, 155533. Class 3

Nos. 158223, 158221, 158222, 158224, 158226, 158227, 158228, 158229, 158230, 159805, 159700, 159701, 159702. Class 4

No. 154497. Class 5.

Copyright extended for the Third period of five years.

Nos. 158233, 158234, 159663, 159703, 159708, 159707. Class 1.

Nos. 158797, 148601, 148605, 148606, 158642, 148559, 148666, 148652, 148699, 148696, 149021, 149099, 149063, 158196, 158194, 158191, 158583, 158190, 158582, 158195, 158501, 159766. Class 3

Nos. 158223, 158221, 158222, 158224, 158226, 158227, 158228, 158229, 158230, 159701, 159702, 159805, 159700, 148833. Class 4.

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